Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

AN INCREASE IN PROPOSED BUILDING

Returns from building inspectors in 21 cities of the Eastern States show an increase in the contemplated building operations in March of this year compared with the same month last year. While the gain is small the progressive improvement which has continued since the first of the year is highly satisfactory. In the same cities the three months building operations show a gain of $7,000,000.

The Central States show a falling off of $3,000,000 in March but this is less than the proportionate loss of the first three months, which was 15%. In the South the effect of low priced cotton is evident but in the Western States an improvement compared with last month is apparent.

EASTERN STATES

	Month of March		First Three Months of Year	
	1915	1914	1915	1914
Albany, N. Y.	$342,855	$947,900	$960,260	$1,297,615
Baltimore, Md.	1,551,311	679,767	3,022,833	1,576,300
Bridgeport, Conn.	502,131	685,061	837,736	967,038
Buffalo, N. Y.	830,000	660,000	1,518,000	1,591,000
Elisabeth, N. J.	96,508	112,579	218,006	183,661
Hartford, Conn.	736,337	481,345	1,027,202	837,397
Hoboken, N. J.	42,500	12,285	374,190	253,849
Jersey City, N. J.	512,916	383,744	969,870	790,545
Newark, N. J.	643,392	321,240	1,938,491	1,922,387
New Bedford, Mass.	587,777	463,510	756,262	944,299
New Haven, Conn.	825,470	425,380	1,632,480	981,454
New York, N. Y.				
Bronx	2,550,825	1,637,325	7,172,175	4,150,155
Brooklyn	3,919,055	3,441,285	6,828,300	8,959,250
Manhattan	4,134,025	6,168,575	16,947,025	11,446,960
Queens	1,792,475	2,231,960	3,933,401	3,822,877
Paterson, N. J.	76,973	100,347	208,085	195,666
Philadelphia, Penn.	5,388,265	5,179,030	8,873,800	8,221,920
Pittsburgh, Penn.	1,006,997	958,616	1,081,102	4,140,221
Reading, Penn.	164,350	171,050	272,525	681,775
Scranton, Penn.	116,974	48,808	197,744	215,462
Springfield, Mass.	570,558	498,968	1,529,358	954,253
Syracuse, N. Y.	519,533	105,960	899,631	226,705
Utica, N. Y.	94,855	37,735	156,430	100,385
*Worcester, Mass.	338,705	306,540	497,836	941,544
Totals	$26,906,982	$25,752,470	$61,354,906	$54,461,173

CENTRAL STATES

	Month of March		First Three Months of Year	
	1915	1914	1915	1914
Akron, Ohio	$375,650	$246,035	$520,345	$582,715
Canton, Ohio	189,250	136,550	259,975	185,020
Chicago, Ill.	7,403,750	8,111,150	16,433,150	17,935,950
Cincinnati, Ohio.	1,356,124	863,810	1,307,119	1,761,235
Cleveland, Ohio.	4,022,035	4,070,255	6,872,040	6,766,885
Columbus, Ohio.	519,200	665,995	757,650	1,070,650
Des Moines, Iowa.	119,365	275,750	236,760	440,450
Detroit, Mich.	2,638,020	2,300,355	5,066,515	7,957,465
Duluth, Minn.	159,128	263,541	338,930	648,521
Evansville, Ind.	402,327	107,615	556,812	337,107
Grand Rapids, Mich.	260,429	1,239,253	444,801	1,662,588
Indianapolis, Ind.	889,349	782,384	1,464,006	1,557,664
Kansas City, Kan.	165,285	161,131	256,125	262,126
Kansas City, Mo.	848,595	1,516,380	2,132,805	3,454,595
Milwaukee, Wis.	942,921	694,924	1,555,626	1,616,164
Minneapolis, Minn.	1,372,530	2,093,915	2,669,125	3,096,425
Omaha, Neb.	332,860	321,165	782,035	722,780
Peoria, Ill.	159,175	408,560	386,925	626,360
St. Louis, Mo.	1,268,878	1,450,034	3,064,613	3,212,239
St. Paul, Minn.	822,624	2,343,809	2,318,936	3,229,465
Toledo, Ohio.	763,258	556,928	1,755,162	1,398,222
Youngstown, Ohio.	206,605	148,295	359,505	302,402
Totals	$25,217,358	$28,575,834	$49,538,960	$58,827,028

SOUTHERN STATES

	Month of March		First Three Months of Year	
	1915	1914	1915	1914
Atlanta, Ga.	$267,417	$561,644	$1,013,174	$1,218,000
Birmingham, Ala.	154,555	236,595	363,443	703,280
Chattanooga, Tenn.	40,865	111,410	103,117	275,505
Dallas, Tex.	147,690	807,213	611,880	1,789,183
Louisville, Ky.	518,100	661,525	1,078,740	1,128,665
Memphis, Tenn.	345,785	370,300	549,473	1,007,145
New Orleans, La.	194,385	230,609	438,707	639,454
Norfolk, Va.	180,694	446,845	473,288	644,445
Richmond, Va.	284,826	539,848	703,850	1,000,119
Tampa, Fla.	95,335	88,630	199,250	348,945
Wasnington, D. C.	714,826	1,544,778	2,075,987	2,799,779
Totals	$2,944,478	$5,599,407	$7,610,009	$11,554,520

WESTERN STATES

	Month of March		First Three Months of Year	
	1915	1914	1915	1914
Denver, Colo.	$181,130	$311,610	$523,835	$747,133
Oakland, Calif.	500,373	569,291	1,045,357	1,215,006
Salt Lake City, Utah.	209,385	307,150	442,740	541,600
Spokane, Wash.	102,660	86,335	216,370	144,505
Tacoma, Wash.	192,450	137,968	308,799	414,793
Totals	$1,185,998	$1,412,354	$2,537,101	$3,063,037

* Not included in totals.

RAILWAYS

✚**Virginia**—Norfolk & Western Ry.—PATTERSON, MORAN & CO., New York, N. Y., has been awarded the contract by this company for constructing a railway from Burkeville to Pamplin, Va., about 36 miles.

West Virginia—Western Maryland R.R.—Surveys have been completed and work will soon be started by this company for the extension of its line from Belington to Fairmont, W. Va.

✚**West Virginia**—Williamsport, Nessle & Martinsburg R.R. This company has awarded the contract for part of its proposed extension from the Potomac River to Martinsburg, to CLAIBORNE, JOHNSTON & CO., Garrett Bldg., Baltimore, Md.

North Carolina—Catawba Falls Ry.—According to press reports this company plans to construct a narrow-gage railway to connect Old Fort and Catawba Falls with the timber lands, a distance of about 6½ miles.

South Carolina—Savannah, Piedmont & Western Ry.—This company has been incorporated to construct a railway from Augusta to Greenwood, S. C., about 60 miles. J. Peyton Clark, Engr., 43 Cedar St., New York, N. Y., is interested.

Florida—Dowling-Shands Lumber Co.—This company is having surveys made for the extension of its line from Green Cove Springs to Starke, Fla., about eight miles. J. E. Brock, Green Cove Springs, is Engr.

Florida—Export Phosphate Ry. & Terminal Co.—Surveys are being made by this company for the construction of its proposed railway from Tampa, Fla., into Polk County. H. L. Pierce, Tampa, is Pres.

Alabama—Henderson-Waits Lumber Co.—Plans are being prepared by this company, according to press reports, for the construction of a railway from Tuscaloosa to its timber lands in Tuscaloosa County, Ala., about 15 miles.

Kentucky—Southern Ry.—Plans are being considered by this company for the extension of its line from Corydon to Palmyra, about seven miles.

Indiana—New York Central R.R.—Plans are being made by this company for the construction of extensive railroad yards at Miller, Ind. These yards will have accommodations for 35,000 cars.

Wisconsin—Hillsboro & Northeastern R.R.—This company has applied to the State Railroad Commission for permission to construct an extension from Hillsboro to Richland Center, Wis., about 28 miles. W. H. Cash, Lisbon, Wis., is Pres.

✚**California**—Minkler Southern Ry.—This company, a subsidiary of the Atchison, Topeka & Santa Fé system, has awarded a contract to the J. J. SMITH CONTRACTING CO., Kansas City, Mo., for the extension of its line from Exeter to Lindsay, about seven miles.

Canada—A resolution has been introduced into the Legislature authorizing the Minister of Railways to construct, lease or acquire any railway or railway work in Quebec, New Brunswick, Nova Scotia and Prince Edward Island, not over 200 miles long, to form part of the government railway system.

New Brunswick—L. Connors, Blacks Harbour, N. B., and H. J. Taylor are interested in the construction of a railway from Pennfield to Beaver Harbor, L'Etang and Blacks Harbour, about eight miles.

✚**Alberta**—Bassons-Coronation Ry.—According to press reports this company has awarded the contract to GRANT, SMITH & McDONNELL, for the construction of its proposed 110-mile railway from Calgary, Alta.

ELECTRIC RAILWAYS

Pawtucket, R. I.—The Pawtucket St. Ry. Co. has applied for a franchise to lay rails on Broad St. over the abandoned roadbed of the New Haven R.R. and relocate its line on Dexter and Barton St. H. W. Sanborn, Providence, is Ch. Engr.

Ayer, Mass.—The Lowell & Fitchburg St. Ry. Co. contemplates the extension of its line on Main St. to connect with the Shirley-Ayer line of the Fitchburg & Leominster St. Ry. L. H. Cushing, Ayer, is Gen. Supt. and Pur. Agt.

Camden, N. J.—The Public Service Ry. Co. has been granted permission to construct an electric railway from Camden to Haddon Heights. R. E. Danforth, Newark, is Gen. Mgr.

Orange, N. J.—The Board of Public Utility Commissioners has granted permission to the Public Service Ry. Co. to extend its lines on Broad, Parkhurst and Scotland St. R. E. Danforth, Newark, is Gen. Mgr.

Waynesburg, Penn.—The Waynesburg & Blacksville St. Ry. Co. plans to start work soon on the completion of its electric railway from Waynesburg, Penn., to Blacksville, W. Va.

Baltimore, Md.—Plans are being considered by the United Rys. & Electric Co. for the extension of its line on Columbia Ave. to Lansdowne. Mason D. Pratt, Baltimore, is Ch. Engr.

Petersburg, Va.—The Petersburg & Appomattox Ry. Co. is making surveys for the construction of its proposed electric railway from Petersburg to City Point. T. M. Wortham, Petersburg, is Pres.

Glennville, Ga.—The East Georgia Ry. Co. has been incorporated to construct an electric railway from Glennville to Adabelle with a branch line from Hagan to Claxton. The incorporators are Henry P. Talmadge, William B. Stillwell, J. K. McIver and J. F. Minis, all of Savannah.

Louisville, Ky.—The Board of Public Works has granted a franchise to the Louisville Ry. Co. to extend its line on West Chestnut St. to Shawnee Park. W. H. McClure, Louisville, is Pur. Agt.

Cleveland, Ohio—The Cleveland Electric Ry. Co. contemplates the construction of an extension to its Payne Ave. line. George L. Radcliffe, Cleveland, is Gen. Mgr.

Ft. Wayne, Ind.—The Ft. Wayne & Northern Indiana Traction Co. is making preliminary arrangements for the extension of its Lewis Street line to the eastern city limits. Samuel W. Greenland is Gen. Mgr. and Pur. Agt.

Galena, Ill.—Surveys will soon be started for the construction of an electric railway from Galena to Freeport. F. J. Meller is Secy. of the Galena Commercial Club.

Kankakee, Ill.—The Kankakee & Urbana Traction Co. is preparing plans for the extension of its line in a northerly direction from Kankakee. William J. Laffell, Urbana, is Gen. Mgr. and Pur. Agt.

Kewanee, Ill.—The Kewanee & Eastern Electric Ry. Co. is making surveys and securing the right-of-way for its proposed electric railway in Kewanee. C. G. Lampman is interested.

Faribault, Minn.—The Southern Minnesota Traction Co. will soon start work on the construction of its proposed electric railway from Faribault to Waseca. H. C. Theopold, Faribault, is interested.

Minneapolis, Minn.—Plans are being prepared by the Electric Short Line R.R. Co. for the extension of its line from Minneapolis to Faribault and Shakopee. John Westerdahl, Minneapolis, is Ch. Engr.

Minneapolis, Minn.—Frederick W. Cappelen, City Engr., has announced that the project to construct a municipal electric railway has been abandoned for the present.

✚**Bonner Springs, Kan.**—The Kansas City Kaw Valley & Western Ry. Co. has awarded a contract to S. DOLMAN SONS, Topeka, for grading the roadbed for its proposed electric railway from Bonner Springs to Lawrence, about 20 miles.

Oklahoma City, Okla.—According to press reports, the Oklahoma City Interurban Ry. Co. will extend its line from Oklahoma City to Edmund.

Fresno, Calif.—The Fresno Interurban Ry. Co. is preparing plans for the extension of its line to Las Palmas and Clovis.

Riverside, Calif.—The City Council has granted a franchise to the Pacific Electric Ry. Co. to construct an electric railway on Market St. from Magnolia Ave. to connect with the Riverside, Rialto & Pacific Ry. in Riverside. J. McMillan, Los Angeles, is Gen. Mgr.

Vallejo, Calif.—The Vallejo-Benicia Electric Co. announces that the proposition to construct an electric railway from Vallejo to Benicia has been abandoned on account of financial conditions. J. J. Henry is Pres.

Moncton, N. B.—Plans are being considered by the Moncton Tramways, Electric & Gas Co., Ltd., for the extension of its electric railway from Moncton to Fox Creek about four miles. A. A. Armstrong, Farmers Bank Bldg., Pittsburgh, Penn., is Gen. Pur. Agt.

LIGHT, HEAT AND POWER

Reading, Mass.—It is reported that the town has appropriated $4000 for extending and improving the municipal electric-light plant. Arthur G. Sias, 179 Main St., is Mgr. and Supt.

Windsor Locks, Conn.—The Northern Connecticut Light & Power Co. has applied for permission to increase its capital stock from $500,000 to $1,000,000, the proceeds of which will be used for extensions and improvements.

Buffalo, N. Y.—The Shoellkopf, Hartford & Hanna Co., manufacturer of aniline dyes and colors, will build a 45x67-ft. extension to the engine room of its plant at Abbott Rd. and the Buffalo Creek R.R.

La Fargeville, N. Y.—The Village Board has granted a franchise to the Hydro-Electric Power Co., Theresa, N. Y., to extend its transmission lines to supply electrical service to the village. F. L. Santway, Theresa, is Pres. and Mgr.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids will be received until 11 a.m., Apr. 12, by C. B. J. Snyder, Supt. of School Bldgs., Park Ave. and 59th St., Borough of Manhattan, for installing heating and ventilating apparatus and temperature regulation in addition to Public School 12, Frisby Ave., between Benson Ave. and Overing St., Borough of Bronx.

✚**New York, N. Y.**—(Borough of Bronx)—(Official)—Bids were received Apr. 5 by C. B. J. Snyder, Supt. of School Bldgs., for installing heating and ventilating apparatus in new Public School 55, St. Paul's Pl., between Park and Washington Ave., Borough of Bronx, from: William J. Olvany, $71,630; Wells & Newton, $67,797; Blake & Williams, $68,846; Raisler Heating Co., $75,576; LESLIE & TRACY, INC., 220 West 42d St., New York, $65,670 (awarded contract); James Curran Mfg. Co., $67,580; E. Rutzler Co., $72,247; D. J. Rice, $68,953. The only bid for installing temperature regulation in new Public School 55 was that of the Johnson Service Co., $4498. Noted Apr. 1.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until 10:30 a.m., Apr. 22, by the Board of Health of the Department of Health, Centre and Walker St., Borough of Manhattan, for the plumbing and gas fitting and steam heating for a medical staff house and nurses' home on the grounds of the Willard Parker Hospital, foot of East 16th St., Borough of Manhattan. S. S. Goldwater, M. D., is Pres. Bd. of Health.

✚**New York, N. Y.**—(Borough of Manhattan)—Bids were received Apr. 2 by the Board of Trustees, Bellevue and Allied Hospitals, for lighting fixtures in Pavilions "I" and "K" of the new Bellevue Hospital from: INTERNATIONAL GAS & FIXTURE CO., 176 Grand St., New York, $6823 (awarded contract); E. Schroeder Lamp Works, $7948; Wahle Phillips, $8399; Roeser Summer Co., $6873; F. Niebling, $9133. Noted Mar. 25.

Riverhead, N. Y.—The Riverhead Electric Light Co. is building a brick power house, in which will be installed a 140-kw. two-phase 2300-volt generating unit, directly connected. F. Carl Hallett is Mgr. and Supt.

Troy, N. Y.—The Troy Gas Co. has purchased the property of the Kemp & Carr Chain Works on Smith Ave., Troy. The ground measures 240x300 ft., and the gas company plans to build a gas holder with a capacity of 2,000,000 cu.ft. The estimated cost is $100,000.

Utica, N. Y.—It is reported that Yonge & Ames, Arch., is receiving bids for the construction of a brick and tile 31x70-ft. boiler house for St. Luke's Hospital.

Park Ridge, N. J.—It is reported that the Board of Light Commissioners will soon purchase, for the municipal electric-light plant, one gas or oil engine, and a friction-driven pulley for running the alternator from two different prime movers; also some wiring supplies and small apparatus. E. Vernon Smith is Supt. of the plant.

Roosevelt, N. J.—It is reported that the Public Service Electric Co. is having plans prepared for an addition to its substation at Roosevelt.

Erie, Penn.—The Erie Lighting Co. is building a 33,000-volt, three-phase, 60-cycle transmission line from Erie to Corry, to supply electricity to Waterford, Union City, Corry and vicinity. A substation will be built in each of these towns. Fred B. Hofft, Erie, is Vice-Pres. and Mgr. of the Erie Lighting Co.

Hillsdale, Penn.—It is reported that the Pittsburgh Coal Co., Pittsburgh, is having plans prepared for a two-story power house to be built at Hillsdale.

Spencer, N. C.—The city is preparing to install a municipal electric-lighting system. Energy for operating the plant will be secured from the Southern Power Co., Charlotte.

Shelbyville, Tenn.—The plant of the Duck River Power Co. at Shelbyville was recently damaged by fire at a loss of about $15,000. The property was lately purchased by the Tennessee Ry., Light & Power Co., Chattanooga. Noted Feb. 18.

Trimble, Tenn.—It is reported that the establishment of a municipal electric-light plant at Trimble is under consideration. J. W. Dulin is interested.

Cleveland, Ohio—Bids will be received until noon, Apr. 9, by the Commissioner of Purchases and Supplies, 511 City Hall, for switchboard apparatus and electrically operated high tension oil switches for substation for the municipal electric-light department. F. W. Ballard, 1443 East Third St., is Comr. of Light Dept. Thomas L. Sidlo is Dir. of Pub. Ser.

Newark, Ohio—Press reports state that the Ohio Light & Power Co., will begin construction work about Apr. 15 on a high-tension power line between Newark and Thornville, to supply electrical service to the latter village and intermediate points along the right-of-way. The estimated cost of the line is $150,000. H. L. Montgomery, Newark, is Gen. Mgr. of the Ohio Light & Power Co.

St. Marys, Ohio—It is reported that the Village Council has decided to sell the municipal electric-light plant. V. W. Buehler is Supt. of the plant.

Jeffersonville, Ind.—(Official)—Bids will be received until 4 p.m., May 1, by John J. Snyder, City Clk., for lighting the streets and public places of the City of Jeffersonville.

Vincennes, Ind.—The City Electric Lighting Co., controlled by W. S. Barstow & Co., Inc., New York, N. Y., will purchase two-72x18-in. tubular boilers, a breeching stack, 48 in. by 90 ft., and 60 ornamental lamp-posts for five-lamp clusters. Some alterations will also be made in the boiler-room. Felix L. Cadou, Vincennes, is Mgr.

Alton, Ill.—Press reports state that the State Board of Administration will shortly award contracts for the construction of a new power house at the Alton Hospital.

Larchwood, Iowa—Bids will be received until Apr. 21 by W. F. Ashton, Town Clk., for the construction of an electric-light plant. The work includes a concrete block building, oil engine, generator, storage battery, switchboard and a distribution system. Earle D. Jackson, Capitol Bank Bldg., St. Paul, Minn., is Engr. Noted Nov. 12 and Feb. 11.

Lorimor, Iowa—J. F. Smith, who recently secured a franchise from the town, is installing an electric-light and power plant.

Marshalltown, Iowa—It is reported that the Iowa Ry. & Light Co. has appropriated $25,000 for improving and extending its system in Marshalltown. Charles Munson is local Mgr. Noted May 14, 1914.

South Sioux City, Neb.—Bids will be received until noon, Apr. 10, by O. Stamm, City Clk., for the construction of an electric-light plant.

Chouteau, Mont.—The Montana Power Co., Butte, has taken over the electric-light plant of Chouteau, and will operate it as one of its properties. As soon as weather conditions permit, a transmission line will be built from the branch in Sun River Cañon. The line will be 12 miles long. F. M. Kerr, Butte, is Gen. Supt. of the Montana Power Co.

Floresville, Tex.—The City Council has granted a franchise to B. J. Carrico and associates, Ft. Worth, to install and operate an electric-light plant at Floresville. The company will be known as the Floresville Light & Power Co., and will at once equip a plant at an estimated cost of $13,000.

Haskell, Tex.—The Haskell Light & Ice Co. has been organized with a capital stock of $20,000 for the purpose of constructing and operating an electric-light plant and ice factory. Morgan Jones is interested.

Maypearl, Tex.—It is reported that the Texas Power & Light Co., Dallas, is considering the installation of an electric-light plant in Maypearl. A transmission line will be built from the plant at Dallas. F. R. Slater, Dallas, is Gen. Supt. of the Texas Power & Light Co.

Spiro, Okla.—At a recent election, the citizens of Spiro voted in favor of issuing $10,000 in bonds to establish a natural gas system in Spiro. The system will form a unit of the pipe line to be built from the Le Flore County gas fields to Ft. Smith, Ark., where the operators have a contract to furnish gas to the Ft. Smith Light & Traction Co.

Wales, Utah—The Big Springs Electric Co., Fountain Green, Utah, has applied to the Town Council for a franchise to equip and operate an electric-light plant in Wales. John A. Holman, Fountain Green, is Pres. of the Big Springs Electric Co.

Prescott, Ariz.—The Arizona Power Co. has received permission from the Arizona Corporation Commission to sell $250,000 in stock, the proceeds of which will be used for the construction of a 1750-hp. power plant and 20,000 ft. of flume. Work will be begun in April, and completed in 12 months. M. V. Watson is Mgr. of the Arizona Power Co.

Long Beach, Calif.—The Long Beach Consolidated Gas Co. has applied to the State Railroad Commission for permission to issue $100,000 in bonds, of which the proceeds of $80,000 will be used to extend the mains and lines, and $20,000 for improvements to the plant.

✚Pasadena, Calif.—A contract for the construction of a conduit system for carrying electric wires in Terrace and Elevado Drives has been awarded to W. A. McNALLY & CO., 199 East Colorado St., Pasadena, at $7890. The same company, at $14,876, was low bidder for a conduit system in El Molino and Elliott Ave., Alpine and Pinehurst St.

Shelburne, Ont.—It is reported that bids will be asked by the City Council in about a month for constructing a transmission line from Eugenia Falls to Shelburne, and for building a substation. Material will be purchased by the Council.

Revelstoke, B. C.—Bids will be received at once by the City Council for the construction of a power house, and the installation of motors which have already been purchased. The estimated cost of the work is $40,000. Charles R. North is Engr.

BRIDGES

Waterbury, Conn.—It is reported that the City Engineer has been instructed to advertise for bids for the construction of a concrete bridge over the Naugatuck River as soon as the plans are completed. The estimated cost is $80,000. R. A. Cairns is City Engr. Noted Jan. 21.

✚Elma, N. Y.—(Official)—The Town Council has awarded the contract for the construction of a reinforced-concrete arch over Buffalo Creek to KELLY & WHEELER, 150 Park View Ave., Buffalo, at $6350. Noted Mar. 18.

Niagara Falls, N. Y.—The City Engineer has been instructed to prepare plans for repairing the bridge over the hydraulic canal in Second St. It was originally planned to build a new bridge at this point, but since the abolition of the Second St. grade crossing is contemplated, it was deemed advisible to repair the present bridge at this time. F. S. Parkhurst is City Engr.

Oswego, N. Y.—(Official)—At an election held Mar. 30, the citizens of the towns of Oswego and Volney voted in favor of a bond issue for the purpose of building a bridge over the Oswego River at Minetto, N. Y. Plans for the bridge are being prepared by the Concrete-Steel Engineering Co., Park Row Bldg., New York, N. Y. It is expected to begin work in the early summer. Noted Dec. 24.

Hightstown, N. J.—(Official)—Bids will be received until 2:30 p.m., Apr. 13, by the Board of Chosen Freeholders of Mercer County, Court House, Trenton, for repairing the stone arch across Rocky Brook at Main St., Hightstown. John J. Power is Dir. Bd. of Chosen Freeholders. Noted Mar. 25.

✚Newark, N. J.—A joint committee of the Boards of Chosen Freeholders of Hudson and Essex Counties has awarded the contract for rebuilding the fenders of the Jackson St. Bridge between Jackson St., Newark, and Fourth St., Harrison, to the STILLMAN-DELAHANTY & FERRIS CO., 1 Exchange Pl., Jersey City. Noted Mar. 25.

New Brunswick, N. J.—Bids will be received until Apr. 12 by the Board of Chosen Freeholders of Middlesex County for the construction of concrete Bridge No. 50 at Station 94-92 on the Metuchen-Perth Amboy Rd., Woodbridge, and for a concrete culvert at Benner's Corner, Metuchen. Alvin B. Fox, Perth Amboy, is County Engr.

Franklin, Penn.—Bids will be received until 1 p.m., Apr. 13, by the Board of Commissioners of Venango County for bridge construction and repairs. John L. Shaffer, J. T. Wallace and P. H. Culbertson are Comrs.

Gettysburg, Penn.—(Official)—Bids will be received until 10 a.m., Apr. 27, by the Commissioners of Adams County, Gettysburg, and the Controller of York County, for the construction of a reinforced-concrete arch over Beaver Creek, on the road leading from East Berlin to Spring Grove between Adams and York Counties. George W. Baker is Clk. of Comrs. of Adams County. F. S. Bartenschlager, York, is Controller of York County.

Harrisburg, Penn.—It is reported that the State Highway Department has asked the State Legislature to appropriate $175,000 for the construction of a bridge across the Susquehanna River between Dalmatia, Northumberland County and McKee's Half Falls, Snyder County. Edward M. Bigelow is State Highway Comr.

Marcus Hook, Penn.—The Commissioners of Delaware County, Media, have had plans prepared for the construction of a reinforced-concrete bridge over Hook Creek on the Wilmington post road at Marcus Hook. Bids will soon be asked.

Meadville, Penn.—The Supervisors of East Mead Township have rejected all bids for the construction of a concrete bridge, and the bridge will be built by the Township. J. P. Williams is Township Secy. Noted Mar. 11.

Reading, Penn.—(Official)—Bids will be received until 10 a.m., Apr. 13, by D. K. Hoch, Controller of Berks County, for the construction of a reinforced-concrete slab bridge over Hay Creek, at White Bear, Robeson Township.

★Cumberland, Md.—(Official)—Bids will be received until 9:30 a.m., Apr. 12, by the Mayor and City Council for the construction of the Market St. Bridge over Wills Creek. Alternate bids will be received for a concrete arch of twin spans, or a steel bridge, ends to rest on present abutments. James P. Gaffney is City Engr.

Easton, Md.—Bids will be received until noon, Apr. 13, by the Board of Commissioners of Talbot County for the construction of the Leeds Creek Bridge on the Tunis Mills Rd. It will be of concrete, 300 ft. long, and 20 ft. wide. Joseph B. Harrington is Clk. of County Comrs.

Rocky Mount, Va.—(Official)—Bids will be received until noon, Apr. 15, by the Clerk of the Circuit Court of Franklin County for the construction of a 100-ft. steel bridge with concrete substructure, over the Pig River. The Childrey Co., Richmond, is Engr.-in-Charge.

Rome, Ga.—The citizens of Floyd County will vote Apr. 27 on the question of issuing $285,000 in bonds, of which $260,000 is for the construction of three bridges, and $25,000 to pay the county's half of the cost of the new general hospital in Rome. Two bridges will be of concrete over the Etowah River, and the third one of steel over the Oostanaula River. Noted Dec. 3, Jan. 14 and 28.

Miami, Fla.—The city authorities have engaged Harrington, Howard & Ash, Kansas City, Mo., to prepare plans and superintend the construction of two steel and concrete bridges across the Miami River at 12th St. and Ave. D. They will be of the bascule type with concrete approaches. The estimated cost is $150,000.

✚Knoxville, Tenn.—The Road Commission of Knox County has awarded the contract for the construction of six concrete bridges to J. M. EDINGTON. Plans for the Mascot Bridge over Flat Creek will be prepared by the Commission, and bids will soon be asked.

Akron, Ohio—Bids will be received until 11 a.m., Apr. 12, by the Board of Commissioners of Summit County for the construction of bridges and a culvert in Bath Township. C. L. Brown is Clk. of Comrs.

Cleveland, Ohio—Bids will be received until noon, Apr. 16, by the Commissioner of Purchases and Supplies, 511 City Hall, for the construction of a concrete culvert over Doan Creek. Plans on file with the Park Engineer, 318 City Hall.

Columbus, Ohio—Press reports state that a movement is being started for the construction of a viaduct in Poplar Ave. from Fourth to Buckingham St. over the tracks of the Pennsylvania, Baltimore & Ohio, Big Four, and Norfolk & Western Ry. It will cost approximately $300,000, exclusive of the property to be purchased. The question of a bond issue for the viaduct will probably be submitted to the voters at the November election.

Columbus, Ohio—Bids will be received until May 1 by the Board of Commissioners of Franklin County for the construction of the Agler Bridge over Alum Creek on the Agler Rd., Mifflin Township. It will be a reinforced-concrete arch.

✚Dayton, Ohio—(Official)—The State Highway Commission, Columbus, has awarded the contract for the construction of bridges and culverts on the Dayton-Troy Rd., Harrison Township, Montgomery County, to ELLSWORTH BRENTLINGER, Dayton, at $28,882. Noted Mar. 18.

✚Delaware, Ohio—(Official)—The Board of Commissioners of Delaware County has awarded the contract for the construction of four steel bridges to the BELLEFONTAINE BRIDGE CO., Bellefontaine, Ohio. Noted Mar. 18.

Fremont, Ohio—Bids will be received until Apr. 30 by the Commissioners of Sandusky County for the construction of the Tindall Bridge over the Sandusky River in Ballville Township. It will be of steel, two spans. W. F. Schepflin is County Surv. Noted Aug. 27, Oct. 1, Dec. 10 and Feb. 25.

Hubbard, Ohio—The Board of Commissioners of Trumbull County has given notice of its intention to build a bridge in Hubbard, known as the South Main St. Bridge. W. R. Harrington, Warren, is Audr. of Trumbull County.

Tiffin, Ohio—(Official)—Bids will be received until 10 a.m., Apr. 24, by the Board of Commissioners of Seneca County for the construction of two reinforced-concrete bridges, Honey Creek Bridge No. 230 in Eden Township, and Honey Creek Bridge No. 96 in Bloom Township. Each bridge will be 100 ft. long. J. E. Hirshberger is County Audr.

Wauseon, Ohio—(Official)—Bids will be received until 1 p.m., May 3, by the Commissioners of Fulton County for the construction of bridge and abutments over Bean Creek, Franklin Township, and for building abutments for another bridge over Bean Creek. W. V. Ackerman is County Audr.

Valparaiso, Ind.—Bids will be received until 2 p.m., Apr. 10, by C. A. Blachly, Audr. of Porter County, for the removal and the replacing of Dunn's Bridge over the Kankakee River.

Chicago, Ill.—The Committee on Streets and Alleys of the City Council has instructed the Commissioners of Public Works and the City Engineer to draw an ordinance providing for the construction of a bridge over the Chicago River at Franklin St., and a viaduct extending from that point to West North Water St. The estimated cost of the work is $3,000,000. L. E. McGann is Comr. of Pub. Wks.

Beloit, Wis.—Press reports state that the Rockford & Interurban Ry. Co., Rockford, Ill., will build a 1000-ft. interurban bridge at once over the Rock River just north of Beloit. It is understood that the bridge will be constructed by the company's own forces. W. S. Hubbard, Rockford, is Ch. Engr. of the Rockford & Interurban Ry. Co.

✚Racine, Wis.—The Highway Commissioner of Racine County has awarded the contract for the construction of a new concrete bridge at Horlick's Dam to W. P. GALLOWAY at $6985. There were seven other bids, the highest of which was $9948. James Mutter is County Highway Comr.

✚Des Moines, Iowa—(Official)—The Board of Supervisors of Polk County has awarded the contract for the construction of four reinforced-concrete bridges to N. M. STARK & CO., Des Moines, at $16,000. H. G. Curtis is County Engr. Noted Mar. 25.

Eureka, Kan.—It is reported that bids will be received some time in April for the construction of a bridge over Walker's Run near the Atchison, Topeka & Santa Fé Ry. station. Plans have been prepared by the City Engineer.

Whiting, Kan.—Bids will be received until 10 a.m., Apr. 14, by J. M. Ryan, Secy., Straight Creek Drainage District, for

bridge construction. Plans on file with H. B. Walker, Drainage Comr., Manhattan, Kan.

†Kearney, Neb.—(Official)—The Board of Commissioners of Buffalo County has awarded the contract for bridge construction and repair during the ensuing year to the OMAHA STRUCTURAL STEEL WORKS, Omaha. E. H. Morley is County Engr. Noted Mar. 18.

†Kansas City, Mo.—It is reported that the Chicago, Burlington & Quincy R.R. has awarded the contract for the superstructure of a bridge to replace the old Hannibal Bridge, to the UNION BRIDGE & CONSTRUCTION CO., Kansas City. The bridge will be subject to the approval of the War Department. C. H. Cartlidge, Chicago, Ill., is Ch. Bridge Engr. of the Chicago, Burlington & Quincy R.R.

Corsicana, Tex.—(Official)—The Commissioners Court of Navarro County has decided to build 15 new bridges during the year at an approximate cost of $25,000. R. R. Owen is County Judge.

Giddings, Tex.—Press reports state that the Commissioners Court of Lee County is receiving bids for the construction of two bridges across the Colorado River in the county.

Seabrook, Tex.—The Commissioners Court of Galveston County, Galveston, is having plans prepared for a bridge across Clear Creek at Seabrook on the line between Galveston and Harris Counties. It will be a lift bridge with pile trestle approaches. The estimated cost is $12,000. C. A. Sias is County Engr.

Malaga, Wash.—The Great Northern Ry. is having plans prepared for the construction of a reinforced-concrete bridge across the Columbia River near Malaga. The estimated cost is $300,000. A. H. Hogeland, St. Paul, Minn., is Ch. Engr.

Seattle, Wash.—It is reported that bids will be asked about May 15 for the construction of the bridges across Lake Washington Canal. Bids must be made according to plans prepared by A. H. Dimock, City Engr. The 15th Ave. Bridge is estimated to cost $479,500, the Fremont Bridge about $350,000, while the estimate for the 20th Ave. bridge is not yet completed. The City of Seattle, King County, and the Puget Sound Traction, Light & Power Co. will each pay a part of the cost. Noted Dec. 3 and 10; Jan. 7, 21 and 28; Mar. 18.

South Prairie, Wash.— (Official)—Bids will be received about Apr. 15 by the Commissioners of Pierce County, Tacoma, for the construction of a 60-ft. pony truss bridge on concrete piers, and 145 ft. of trestle at South Prairie. David H. White, Tacoma, is County Engr.

Cascadia, Ore.—The Board of Commissioners of Linn County, Albany, is having plans prepared for the construction of a 115-ft. bridge over the South Fork of the Santiam River at Cascadia.

†Vale, Ore.—The Board of Commissioners of Malheur County has awarded the contract for the construction of a bridge over the Snake River to the COAST BRIDGE CO., Portland, at $23,000. The structure will consist of two 150- and two 160-ft. spans, three tubular piers and two concrete abutments. Noted Mar. 4.

Eureka, Calif.—Bids will be received until 2 p.m., Apr. 13, by the Board of Supervisors of Humboldt County for the construction of two highway bridges in Road District No. 5. Fred M. Kay is Clk. Bd. of Superv.

Napa, Calif.—Bids will be received until Apr. 14 by the Board of Supervisors of Napa County for the construction of a stone arch over Huichica Creek in Road District No. 13.

Watsonville, Calif.—The City Trustees of Watsonville and a committee from Monterey County have approved plans prepared by Leonard & Day, Rialto Bldg., San Francisco, for a five-span reinforced-concrete bridge over the Pajaro River at this point. It will cost $35,500. H. B. Kitchen is City Engr. Noted Aug. 13.

Victoria, B. C.—It is reported that plans for the construction of a bridge to cost about $750,000, have been prepared and approved. A bylaw providing for its construction will be drawn and submitted to the rate-payers. W. J. Dowler is Clk. of City Council.

WATER SUPPLY—IRRIGATION

Southport, Maine—(Official)—Bids will be received until 8 p.m., Apr. 13, by G. F. Drew, Clk., for material for the construction of water and sewer systems. The J. B. McCrary Co., Atlanta, Ga., is Engr. Noted Mar. 25 under Scarboro.

Greenville, N. H.—Plans are being prepared for the construction of about four miles of 4-in. water mains and a standpipe. The estimated cost is $15,000. H. J. Taft is Water Comr. Noted Apr. 30, 1914 and Mar. 25, 1915.

Boston, Mass.—Bids will be received until Apr. 13 by the Public Works Department for laying 14,000 ft. of 4- to 16-in. water mains in various streets. L. K. Rourke is Comr.

Boston, Mass.—Bids will be received until Apr. 16 by the Metropolitan Water and Sewerage Board for the construction of a masonry tower around the steel tank on Mt. Bellevue Ave., West Roxbury District.

†Boston, Mass.—The contract for specials for the High Pressure Fire Service has been awarded to DAVIS & FARNUM MFG. CO., at $57 per ton. D. F. Doherty is Supt. of Supply Dept. Bids opened Mar. 19. Noted Mar. 18.

Brookline, Mass.—At an election, held Mar. 23, the citizens voted in favor of issuing $200,000 in bonds, the proceeds of which will be used for the construction of a covered filter and basin for the water system. Philip S. Parker is Chn. Bd. of Selectmen. Noted Dec. 17 and Feb. 4.

Dartmouth, Mass.—An appropriation of $50,000 has been made by the Council for the construction of a water system.

Hartford, Conn.—The State Legislature has granted permission to the city to issue bonds for $2,000,000, the proceeds of which will be used for construction of the Nepaug system.

Gates, N. Y.—Bids will soon be received by the Water Commissioners for constructing a water system. The estimated cost is $30,000. H. C. Kittredge, German Insurance Bldg., Rochester, is Engr.

Hilton, N. Y.—A survey and estimate for the installation of a water system has been authorized by the village.

New York, N. Y.—(Borough of the Bronx)—(Official)—Bids will be received until 2 p.m., Apr. 14, by William Williams, Comr. of Water Supply for water mains in Bailey, Cedar and Sedgwick Ave., East 184th and East 225th St. and in Fordham and Kingsbridge Rd. and in Harlem River Terrace.

†New York, N. Y.—(Borough of the Bronx)—(Official)—The contract has been awarded to L. D. GREGORY, 212 West 138th St., at $19,680, for laying water mains in Southern Blvd. Noted Mar. 4 and 18.

New York, N. Y.—(Boroughs of Manhattan and the Bronx)—(Official)—Bids will be received until 2 p.m., Apr. 12, by William Williams, Comr., Water Supply, Gas & Electricity, for c.-i. pipe, specials and valve box castings, valves and double nozzle fire hydrants and for pipe, valves and fittings for watering hydrants for horses.

Oakfield, N. Y.—(Official)—H. C. Kittredge, Rochester, has been retained by the Village Board of Trustees to prepare plans for the construction of a municipal water system, bids for which will be received in the early part of the summer. Noted Apr. 1.

†Asbury Park, N. J.—(Official)—The contract has been awarded to PARTRIDGE & BURKE, Hohokus, at $1.05 per ft. for 8-in. c.-i. pipe across Deal Lake.

Caldwell, N. J.—An election will be held Apr. 27 to vote on the question of issuing $10,000 in bonds, the proceeds of which will be used for the extension of the water system in West Caldwell.

Camden, N. J.—The construction of an auxiliary water station at Delair has been recommended by the Finance Committee of the Council. The estimated cost is $50,000.

East Orange, N. J.—Bids will be received until 8 p.m., Apr. 12, by A. A. Reimer, Secy. Water Comrs., for centrifugal pumps and condensers for the water system.

★Perth Amboy, N. J.—Bids were received Mar. 24 by the Board of Water Commissioners for the installation of a 12,000,000-gal. pump at the Runyon pumping station as follows: Turbine Equipment Co., New York, N. Y., $20,600; Nordberg Mfg. Co., Milwaukee, Wis., $29,900; Allis-Chalmers Mfg. Co., Milwaukee, Wis., $32,205; Epping-Carpenter Pump Co., Pittsburgh, Penn., $34,940; Hooven, Owen, Rentschler Co., Hamilton, Ohio, $36,700 and the William Tod Co., Youngstown, Ohio, $39,965. S. J. Mason is City Engr. Noted Feb. 18.

Wildwood, N. J.—The city plans to buy the plant of the Wildwood Water Works Co., at $554,000. Robert J. Kay is representing the city. Noted Oct. 15.

Erie, Penn.—(Official)—E. W. Humphreys, Supt. of Water Wks., states that the construction of a reservoir will not be undertaken this year. Noted Mar. 18.

Hatfield, Penn.—Bonds for $16,000 have been voted by the citizens, the proceeds of which will be used for the construction of a water system. Ralph Schafenacker, North Wales, is Engr.

Ridgway, Penn.—The capacity of the filtration plant will be doubled at an estimated cost of $11,000.

Sykesville, Penn.—(Official)—Bids will be received until Apr. 12 by the Town Council for constructing a water system. E. W. Hess and A. B. Barton, Deposit National Bank Bldg., Dubois, is Engr. Noted Sept. 24 and Nov. 26, 1914.

★Kensington, Md.—According to press reports all bids received Feb. 20 for the construction of water and sewer systems have been rejected. Noted July 9 and Dec. 17, 1914 and Mar. 4, 1915.

Laurel, Md.—Bids will soon be received for the construction of a municipal water system. The estimated cost is $70,000. H. Stevens, Union Trust Bldg., Washington, D. C., is Engr. Noted June 4, 1914 and Jan. 7, 1915.

Elm City, N. C.—The city has voted bonds for $7000, the proceeds of which will be used for the construction of water and sewer systems. Clarence Winstead is Town Clk.

Southport, N. C.—Bids will be received about Apr. 12 by Henry Hagen, City Engr., for constructing a water system. The estimated cost is $24,000. The J. B. McCrary Co., Atlanta, Ga., is Engr. Noted Feb. 18 and Mar. 25.

East Lake, Ga.—(Atlanta post office)—An election will be held May 6 to vote on the question of issuing $100,000 in bonds, the proceeds of which will be used for construction of water and sewer systems. Noted Sept. 17, 1914.

Royston, Ga.—Bonds for $15,000 have been voted by the citizens, the proceeds of which will be used for the construction of water and sewer systems. Noted Aug. 13.

Vicksburg, Miss.—The citizens voted in favor of purchasing the water system for $200,000. Work on the construction of the municipal water system will be suspended. A. M. Paxton is Clk. Noted Nov. 12.

Cleveland, Ohio—Bids will be received until noon, Apr. 16, by the Commissioner of Purchases and Supplies, for operating tables at the filtration plant at the Division pumping station. Specifications are on file with Charles F. Schultz, Comr. of Water Dept. Noted Mar. 18.

Fostoria, Ohio—(Official)—Bids will be received until noon, Apr. 20, by the Director of Public Service, for constructing a 175,000,000-gal. reservoir. Charles Laltshaw is Engr. Noted Mar. 25.

Monroeville, Ohio—The installation of a filtration plant is under consideration by the Board of Public Affairs.

Port Clinton, Ohio—According to press reports bids will be received until Apr. 12 by William H. Williams, Village Clk., for purchase of $10,000 in bonds. The proceeds will be used for the rebuilding of pumps for the water-works pumping station. Noted Mar. 4.

Zanesville, Ohio—Plans have been prepared by the W. J. Sherman Co., Toledo, Ohio, for the improvement of the water system. The estimated cost is $248,118. Noted Dec. 24 and Jan. 14.

South Bend, Ind.—One of the water-works pumping stations will be transferred from the west to the east bank of the St. Joseph River. The estimated cost is $15,000. J. W. Foyne is Supt. of Water Wks.

Detroit, Mich.—Screen chambers will be installed on the intake lines to the pumping station by the Board of Water Commissioners. Theodore A. Leisen is Engr. Estimated cost, $20,000.

Chicago, Ill.—Bids will be received by L. E. McGann, Comr. of Pub. Wks., until 11 a.m., Apr. 10, for shafts, low pressure steel pipe, rubber gaskets and machine bolts at the Wilson Ave. tunnel.

Joliet, Ill.—The City Council plans to construct a new distributing system at an estimated cost of $51,167. C. D. O'Callahan is Supt. of Water Wks.

+Rock Island, Ill.—The contract for laying water mains in 16th, 17th and Aiken St. has been awarded by the city to P. F. TRENKENSCHUH, Rock Island, at about $9000.

Stronghurst, Ill.—Bids will be received until 1 p.m., Apr. 15, by the Board of Local Improvements for constructing a distributing system. W. S. Shields Co., 1201 Hartford Bldg., Chicago, is Engr. Noted Oct. 29.

Beloit, Wis.—The Beloit Water, Gas & Electric Co. has been authorized by the Wisconsin Commission to issue bonds for $100,000. The proceeds will be used for extensions to its system.

+Elkhorn, Wis.—The contract has been awarded to the F. M. GRAY ARTESIAN WATER SUPPLY CO., Milwaukee, at $5000 for drilling an artesian well and making connections to the water system. Noted Oct. 22.

Wittenberg, Wis.—A bond election will soon be held to vote on the question of issuing $12,000 in bonds, the proceeds of which will be used for construction of a water system for fire protection. The plans include a 40,000-gal. tank on an 80-ft. tower, 6000 ft. of 6- and 8-in. mains and wells. I. J. Nelson is Secy. W. G. Kirchhoffer, Madison, is Engr. Noted Mar. 4.

Marcus, Iowa—Bonds for $25,000 have been voted by the citizens, the proceeds of which will be used for the construction of a water system.

Spillville, Iowa—At a recent election the citizens voted in favor of installing a water system.

Duluth, Minn.—The construction of a 1,000,000-gal. reservoir has been authorized by the City Council. D. A. Reed is Mgr. The estimated cost is $14,000. Noted Mar. 11.

Virginia, Minn.—(Official)—Bids will be received until 8 p.m., Apr. 19, by the Water & Light Commission for motor driven pumping equipment. J. W. Murphy is Secy.

+Fredonia, Kan.—Contracts have been awarded by C. B. DeTar, Supt. of Water Wks., for improvements to the water system as follows: KANSAS PAVING & CONTRACTING CO., Dodge City, at $17,842, for making improvements; MERKLEHINES MACHINERY CO., Kansas City, Mo., at $6250, for two triplex pumps; NEW YORK CONTINENTAL JEWELL FILTRATION CO., New York, N. Y., at $6975; for mechanical filter equipment; HADLEY-HUDSON CO., at $1255, for one 90-hp. water turbine and WESTINGHOUSE ELECTRIC CO., Pittsburgh, Penn., at $2048, for one generator. Bids opened Mar. 22. Noted Nov. 26 and Mar. 18.

Ceresco, Neb.—Bonds for $10,000 have been voted by the citizens, the proceeds of which will be used for the construction of a water system. Grant & Fulton, Security Mutual Bldg., Lincoln, is Engr. Noted Feb. 25.

Fordyce, Neb.—Bids will be received until Apr. 20 by L. S. Wise, Village Clk., for constructing a water system. J. D. C. Smith, Hartington, is Engr. Noted Oct. 8.

Lemmon, S. D.—(Official)—Bids will be received about Apr. 19 for the construction of extensions to the water system. Plans have been prepared by Charles L. Pillsbury Co., Minneapolis, Minn. Noted Sept. 3.

Marion, S. D.—The town contemplates installing a municipal water system.

+Laramie, Wyo.—Contracts have been awarded for pipe and lead for the water system by the Council to HENRY BOLTHOFF CO., Denver, Colo., and to the M. J. O'FALLON CO., Denver. Total amount of contracts $41,000. Noted Feb. 4.

Medicine Lake, Mont.—Bids will be received until Apr. 12 for the purchase of $18,000 in bonds, the proceeds of which will be used for the construction of a water system. Noted Sept. 24.

Springfield, Mo.—R. L. Pate, Mgr. and H. B. McDaniel, Treas., of the Springfield Water Co., will soon be in the market for electrical pumping machinery for its deep wells. The estimated cost is $30,000. Noted Dec. 31.

Little Rock, Ark.—The Arkansas Water Co. plans to construct a 5,000,000-gal. receiving reservoir, three wells and install a motor-driven centrifugal pump. A. M. Lyon is Pres.

Pocahontas, Ark.—The construction of a water system is under consideration by the city.

Ballinger, Tex.—Surveys have been made by C. L. Stanley for the construction of a dam across the Colorado River and for irrigation canals for an irrigation system which he and associates plan to build.

San Antonio, Tex.—Bids will be received Apr. 15 by the Commissioners Court for the construction of a water system, a power plant and a laundry at the new County Home for the Aged.

Timpson, Tex.—Bids will be received about June 1 for the construction of a water system, estimated to cost $17,000. Henry E. Elrod, Dallas, is Engr. Noted Aug. 20, 1914 and Mar. 25, 1915.

McAlester, Okla.—(Official)—The city plans to construct a gravity water pipe and dam. The pipe line will be ten miles long. J. M. Gannaway is City Clk. Noted Dec. 10.

Craig, Colo.—The citizens contemplate constructing a water system at an estimated cost of $40,000.

Montrose, Colo.—Bids will be received about May 1 by the city for the construction of extensions to the water system. Burns & McDonnell, Kansas City, Mo., is Engr. P. W. Pinkerton is City Mgr. Noted Feb. 18 and Mar. 11 and 25.

Sugar City, Colo.—The village contemplates constructing a water system at an estimated cost of $15,000. F. J. Keath is Clk.

Ogden, Utah—Bids will be received until Apr. 13 by Washington Jenkins, City Engr., for constructing a pipe line as follows: 28,700 ft. of trench, laying 18,400 ft. of pipe and constructing an intake. Pipe furnished by the city. Noted Jan. 21 and Feb. 11.

Ogden, Utah—Bids will be received until 10 a.m., Apr. 19, by F. O. Stanford, City Recdr., for 18,400 ft. of 24-in. Matheson joint pipe.

Salt Lake City, Utah—(Official)—Bids will be received until 10 a.m., Apr. 21, by Karl A. Scheid, City Recdr., for constructing a dam at Twin Lakes, Big Cottonwood Cañon. The estimated cost is $75,000. The work includes the following: Rubble concrete dam, 65 ft. high (9100 cu.yd.) or a reinforced-concrete dam (4000 cu.yd.); 1000 cu.yd. of excavation. S. Q. Cannon is City Engr. Noted Oct. 22 and Mar. 18.

+Salt Lake City, Utah—The contract for cleaning five miles of water mains has been awarded to the NATIONAL WATER MAINS CLEANING CO. at $7702, by the City Commission.

Kirkland, Wash.—Bids will be received until Apr. 19 by J. F. Courtright, Town Clk., for constructing a water system, the estimated cost of which is $15,000. Reitze, Storey & Duffy, Northern Bank Bldg., Seattle, is Engr. Noted June 18 and Dec. 10.

Prescott, Wash.—An election will be held Apr. 19 to vote on the question of issuing $15,000 in bonds, the proceeds of which will be used for the improvement of the water system.

Seattle, Wash.—The City Council has approved plans for the construction of a 24-in. water main in Third Ave. W. The estimated cost is $12,000.

+Tacoma, Wash.—The contract has been awarded by the Metropolitan Park Board to the WASHINGTON PIPE & FOUNDRY CO., Tacoma, at $8904, for wood stave pipe 6- to 10-in.

North Powder, Ore.—An election will be held Apr. 19 to vote on the question of issuing $20,000 in bonds, the proceeds of which will be used for the construction of a municipal water system.

+Reedley, Calif.—The contract has been awarded by the Board of City Trustees to the DOAK GAS ENGINE CO., San Francisco, for the installation of a pump and engine for the auxiliary water system. Noted Dec. 17 and Mar. 4.

San Bernardino, Calif.—William Starke, Supt. Water Wks., has prepared plans for the construction of a 20-in. water main from the Antil pumping station to Base Line and Waterman Ave., about 4500 ft.

Winters, Calif.—The City Trustees have authorized the erection of a 100,000-gal. steel tank in connection with the water system.

Ottawa, Ont.—The Legislature has approved of the construction of a pipe line, estimated to cost $360,000. R. L. Haycock, City Hall, is Engr. Noted Nov. 19 and Jan. 14.

Toronto, Ont.—According to press reports extensions will be made to the filtration plant on Centre Island. The estimated cost is $78,000.

SEWERS

Boston, Mass.—The City Council has appropriated $600,000 for the construction of new sewers and the reconstruction of a number of wooden drains.

Boston, Mass.—Bids will be received by the Dept. of Public Works until Apr. 9 for constructing sewers and drains in Granite Ave. and Ridgewood St. L. K. Rourke is Comr.

Fall River, Mass.—The Council has appropriated $85,000 for constructing sewers.

New Britain, Conn.—The city has sold $90,000 in bonds, the proceeds of which will be used for the construction of sewers.

South Manchester, Conn.—The city contemplates constructing about 3000 ft. of 12-in. to 33-in. pipe sewer. The estimated cost is $5800. J. Frank Bowen is City Engr.

Gloversville, N. Y.—Bids will be received until Apr. 20 by C. J. Mahoney, City Clk., for the construction of 5435 ft. of 20-, 18-, 15- and 12-in. vitrified sewer. H. J. Hammer is City Engr.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids were received Mar. 25 for sewerage work in Prospect Park as follows: C. F. Metzinger & Co., 356 Broadway, at $15,022 was low bidder; J. W. Heller, $16,718; Murphy Bros., $28,533; Lawrence Construction Co., $20,809; Lincoln Steel Flemming and Joseph A. Morrison, $17,956; Joseph Jennings, $25,125; Norton & Gorman, $20,755; H. E. Fox Construction Co., $24,061; Rosenthal Engineering Co., $20,809; D. Donegan, $17,956; and J. C. Schrade, $25,025. Noted Mar. 18.

New York, N. Y.—(Borough of Manhattan)—(Official)—The Melrose Construction Co., 147 East 125th St., at $4773, was low bidder for sewerage work in 111th St. near Second Ave. Bids opened Apr. 5. Noted Apr. 1.

New York, N. Y.—(Borough of Queens)—(Official)—Bids will be received until 11 a.m., Apr. 14, by Maurice E. Connolly, Borough Pres., for constructing receiving basins at Thompson Ave. and Meadow St., and constructing sewers in Britton Ave., Ketcham St., Grove St. and Fairview Ave.

Syracuse, N. Y.—The Syracuse Intercepting Sewer Board contemplates installing sprinkling filters and Imhoff settling tanks at the sewage-disposal plant.

Gloucester, N. J.—(A correction)—Peugh & Hubbard, Philadelphia, Penn., has been retained by the City Council to prepare plans for the construction of a sewage-disposal plant. Noted Dec. 3 and Apr. 1.

Haddonfield, N. J.—See item under "Streets and Roads."

Millville, N. J.—The Board of City Commissioners contemplate constructing a storm sewer. Estimated cost $19,000.

+Newark, N. J.—The contract has been awarded to CARDELL & ROMANA, Montclair, for the construction of a sewer in Amsterdam St. Estimated cost, $4002.

Newport, Penn.—Bids will be received until 7 p.m., Apr. 10, by P. G. Hertz, Secy. of Town Council, for the construction of a 24-in. sewer in Oliver St.

✚Pittsburgh, Penn.—The contract for the construction of a 20-in. and a 24-in. terra-cotta pipe and an 86-in. brick relief sewer in Greenwood St. has been awarded to the THOMAS CRONIN CO., at $4864.

✚Pittsburgh, Penn.—The contract for the construction of a relief sewer in Bayard and Melville St. has been awarded to R. D. THOMAS & CO., at $11,256.

Scranton, Penn.—The city contemplates the construction of a sewer system for the First, Second and Third Wards, estimated to cost $190,234, a sewer system for the 21st Ward, estimated to cost $170,749, and a sewer for the 14th Ward, estimated cost, $3229.

✚Baltimore, Md.—The Board of Awards has awarded the contract for the construction of a sewer in Baltimore St. to the M. O'HERRON & SONS CO., at $29,952. Bids opened Mar. 31.

Baltimore, Md.—Bids will be received by the Sewerage Commission until 11 a.m., Apr. 14, for Section 1 for Gwynns Falls interceptor. About 4000 ft. of 30-in. sewer will be constructed. Calvin W. Hendricks is Ch. Engr.

Frederick, Md.—Bids have been rejected for the sewerage work. Bids will be readvertised. See item under "Streets and Roads." Noted July 16.

✚Kensington, Md.—See item under "Water Supply—Irrigation."

✚Huntington, W. Va.—The contract has been awarded to HARRISON & DEAN for constructing sewers in 17th and 22d St. and in various alleys. Bids opened Mar. 22. Noted Mar. 18.

Charlotte, N. C.—(Official)—Dunn & Lalland Bros., Birmingham, Ala., will probably be awarded the contract for the construction of a sewer to be known as the east trunk outfall. S. H. Lea, City Engr. Noted Mar. 11.

Georgetown, S. C.—Bids will be received until Apr. 14 by R. M. Barnes, Chn. of Commissioners of Public Works, for extending the sewer system. E. W. Chisolm, Jr., Clark Law Bldg., Columbia, is Engr.

Greenville, S. C.—An election will be held Apr. 20 to vote on $25,000 in bonds for extending the sewer system.

✚LaFayette, Ga.—The contract for the construction of a sewer system has been awarded to the J. B. McCRARY CO., Atlanta, at $17,500. Bids opened Apr. 12. Noted Sept. 24 and Oct. 11.

✚Macon, Ga.—C. F. PEANE has been awarded the contract for the construction of a sewage-disposal plant for the Tybee District sewer system. Bids opened Mar. 16. Noted Mar. 11.

Richland, Ga.—The citizens have voted $15,000 in bonds for constructing sewers. Noted Feb. 4.

✚Pablo Beach, Fla.—The contract for the construction of a sewer system has been awarded to T. D. GRIFFIN, Jacksonville, at $10,356. Bids opened Mar. 20. Noted Oct. 1, Mar. 11 and 18.

Tampa, Fla.—An election will soon be called to vote on a bond issue of $250,000 for sewer work.

Birmingham, Ala.—The city contemplates constructing sanitary sewers in North Birmingham. The estimated cost is $12,500. Julian Kendrick is City Engr.

Birmingham, Ala.—An ordinance has been adopted by the Board of Commissioners for the construction of sanitary sewers in Lincoln City, East Birmingham. The estimated cost is $6000. Julian Kendrick is City Engr.

Okolona, Miss.—Bonds for $58,000 have been sold, the proceeds of which will be used for the construction of a sewer system. Noted Jan. 28 and Mar. 4.

Park City, Tenn.—A bond issue of $25,000 has been authorized, the proceeds of which will be used for sewer and street construction.

✚Lexington, Ky.—The City Commissioners have awarded the contract for the construction of the North Main St. sewer to the CAREY-REED CO., at $11,642. Noted Feb. 11 nd Mar. 25.

✚Cleveland, Ohio—It is reported that the contract for constructing a sewer in Dugway Brook, has been awarded to the REAUGH CONSTRUCTION CO., at $79,903. Noted Mar. 4.

✚Cleveland, Ohio—Bids will be received by the Commissioner of Purchases and Supplies, City Hall, until noon, Apr. 15, for the construction of sewers, in West 105th St., and East 121st St. Plans may be had from Robert Hoffman, City Engr., 405 City Hall.

Columbus, Ohio—Bids will be received by the Director of Public Service until Apr. 20, for the following improvements: Storm sewer in Bulen Ave. from Livingston Ave. to Gault St. Sewer in the first alley west of Bulen Ave. and the first alley east of Bulen Ave. from Mound St. to Kent St.; Sewer in Dupont Ave. from St. Clair Ave. to East terminus; Grogan Sanitary Sewers, Section 1; in the alley north of Dow Ave. from Dougherty St. to the C. C. C. & St. L. Ry.; Grogan Sanitary sewers Section 2 in Twelfth Ave. from Clara St. to Garden Ave.; Grogan Sanitary Sewers, Section 3 in 12th Ave. from the alley west of Dell Ave. to Clark Ave.; Grogan Sanitary Sewers Section 4 in the alley east of St. Clair Ave. from the alley south of Bonham Ave. to the alley north of McClelland Ave.; sewer in the alley east of Parsons Ave. from Olpp Ave. to Hinman Ave.; sewer in the alley north of Reinhard Ave. from 18th St. to Heyl Ave. and sewer in the alley north of Sullivant Ave. from the alley west of Harris Ave. to Hague Ave. Henry Maetzel is City Engr.

Columbus, Ohio—Plans for the tanks, sludge beds, etc., to be installed at the sewage disposal plant, have been approved by George W. Fuller, John H. Gregory and George A. Johnson, Consult. Engrs., New York, N. Y. Henry Maetzel is City Engr. Noted Mar. 11.

Dayton, Ohio—The city has sold $40,300 in bonds for the construction of storm sewers. G. C. Cummin is City Engr.

East Palestine, Ohio—L. E. Chapin, Consult. Engr., Pittsburgh, Penn., has completed plans for a sanitary sewer and sewage disposal plant to cost about $50,000.

Fremont, Ohio—According to press reports, the City Council contemplates constructing sewers in Tiffin, Morrison, Buchanan and other streets. C. A. Hochenedel is City Engr.

✚Kent, Ohio—The contract for constructing the sewage disposal plant has been awarded to D. LOWENSHON, Cleveland, at $41,358. R. T. Bailey, Rockwell Bldg., Kent, prepared the plans. Noted Feb. 25.

Mansfield, Ohio—The State Board of Health has approved of plans for the proposed enlargement of the sewage disposal plant. E. A. Barbour and E. G. Bradbury, Mansfield, are the Consult. Engrs.

Marion, Ohio—Bids will be received by H. C. Cass, Dir. of Pub. Service, until Apr. 9, for constructing combined sewer in Main and Park St., sanitary sewer and storm water drain in Uncapher Ave., and a trunk line sanitary sewer cellar drain and trunk line storm water sewer in Park, Short and State St.

Mt. Vernon, Ohio—At a recent meeting of the City Council it was decided to construct sanitary sewers in Braddock Adams and Howards St. R. S. Blinn is City Engr.

Tiffin, Ohio—It is reported that the City Council considers the construction of a river wall sewer to cost $39,000. J. I. Oberlander is City Engr.

Urbana, Ohio—Press reports state that Boyd & Cook, Dayton, Ohio, submitted the lowest bid for the construction of storm sewers in Kenton, Scioto, North Main and Miami St. Charles F. Smith & Co., Dayton, was low bidder for the South Main St. contract.

✚Bedford, Ind.—The contract for the construction of a sewer system has been awarded to J. J. QUINN, Bedford, Ind. The estimated cost is $15,000.

Crawfordsville, Ind.—The City will soon construct vitrified pipe sewers to cost about $7819. J. A. Cragwall is City Engr.

Ft. Wayne, Ind.—(Official)—H. P. Moran, Vice-Pres. and Gen. Mgr., Indiana Engineering & Construction Co., Fort Wayne, has been engaged to prepare a report on the construction of a sewage disposal plant. Frank M. Randall is City Engr.

✚Indianapolis, Ind.—The contract for the construction of College Ave., sewer, has been awarded by the Board of Works, to the SHEEHAN CONSTRUCTION CO., Indianapolis, Ind. at about $200,000. Noted Mar. 25.

South Bend, Ind.—According to press reports the Board of Public Works will construct a sewer in Michigan St. from Colfax Ave. to Short Navarre St.

Detroit, Mich.—The Council Committee on Sewers has authorized the construction of sewers in Dexter Boulevard to cost about $55,000. R. H. McCormick is City Engr.

✚Harbor Beach, Mich.—A contract for sewer construction has been awarded to VICTOR & PETER SAGER, Saginaw, at $28,820. Noted Nov. 19.

Averyville, Ill.—The Board of Aldermen contemplates the construction of a sewer system to cost about $50,000.

Joliet, Ill.—The City Council has passed an ordnance providing for the construction of a sewer in the Third Ward to cost $69,470. C. D. O'Callahan is City Engr.

Lincoln, Ill.—The City Council has decided to construct the McClean St. sewer. The estimated cost is $6209. W. C. Bates is City Engr.

Pana, Ill.—Press reports state that plans have been completed for a sewage disposal plant.

✚Kenosha, Wis.—Bids will be received by the Street Assessment Committee, City Hall until 2 p.m., Apr. 23, for the construction of sewers.

Madison, Wis.—Bids will be received by O. S. Norsman, City Clk., until 5 p.m., Apr. 9, for the construction of sewers in Fair Oaks district as follows: Bid No. 1, 37,345 ft. 6-in.; 9328 ft. 8-in.; 8137 ft. 10-in. vitrified pipe; 383 ft. 6-in., c.-i. pipe; 140 ft. 10-in. and 140 ft. of 8-in. c.-i. pipe; 118 manholes, 89 lampholes. Bid No. 2: 6232 ft. 18-in. c.-i. pipe; 2506 ft. 16-in.; 2413 ft., 14-in. and 30 manholes. Bid No. 3: 7347 ft. 6-in. vitrified; 2817 ft. of 8-in., 1422 ft. of 10-in., 2449 ft. of 18-in. c.-i. pipe; 27 manholes; 11 lampholes. The city will furnish cast iron pipe only.

✚Cedar Rapids, Iowa—The contract for the construction of three ring brick storm sewers in various streets, has been awarded to PERCY P. SMITH, 127 North Tenth St., Cedar Rapids, at $5388. Noted Mar. 11.

✚Grinnell, Iowa—(Official)—The contract for the construction of the disposal plant and outlet has been awarded to the TURNER IMPROVEMENT CO., Des Moines, Iowa, at $35,957. W. F. RILEY was awarded the contract for main sewers at $35,042 and branch and laterals at $31,019. Noted Mar. 25.

✚St. Paul, Minn.—The contract for the construction of a sewer in Fairmount Ave. from Pascal to Snelling Ave., and on Snelling Ave. from Fairmount Ave. to St. Clair St. has been awarded to O'NEILL & PRESTON, St. Paul, at $6190. Noted Jan. 14.

Hutchinson, Kan.—Press reports state the City Commission has decided to construct a sewer between Walnut and Main St. Edward Metz is City Clk.

Wichita, Kan.—Property owners have petitioned the City Commission to construct a sanitary sewer in intersecting streets from extreme end of West Third St. to Central Ave. Bert C. Wells is City Engr.

Ravenna, Neb.—Bids for $22,000 have been sold for the construction of a complete sewer system.

Billings, Mon.—Bids will be received by L. E. Torrence, City Clk., until Apr. 30 for the construction of sanitary sewer, to include 1700 lin.ft. 8-in. sewer, four manholes, one flush tank.

Butte, Mont.—The City Council is considering the repair of a sewer along Arizona St., at an estimated cost of $25,000.

Poplar Bluff, Mo.—The plans of E. C. Thomas, City Engr., for the construction of a sanitary sewer in District No. 2, have been accepted by the City Council. The estimated cost is $19,956.

Little Rock, Ark.—(Official)—Bids will be received until 10 a.m., Apr. 24, by the Board of Commissioners, for constructing about 17,700 lin.ft. of storm and sanitary sewers. Ford & MacCrea is Engr.

Malvern, Ark.—The City will vote on May 26 on a $35,000 bond issue for the installation of a sewerage system. J. B. McCrary Co., Atlanta, Ga. is Engr.

✚Ferris, Texas—The City Council has awarded the contract to the DALTON CONSTRUCTION CO., Dallas, for the construction of a sewer system to cost $13,000. Noted Mar. 25.

Lewiston, Idaho—Bids will be received about May 1, for constructing sewers in Dist. No. 6. The estimated cost is $10,500. R. A. Bonnell is City Engr.

Seattle, Wash.—The Board of Public Works will soon call for bids for constructing emergency overflow sewers from the existing north trunk sewer system into Lake Washington Canal.

✚Seattle, Wash.—The contract for the construction of sewers in Lakeside Ave. has been awarded to THOMAS SCALZO, 1708 22d Ave. S at $23,959. Noted Mar. 11.

✚McMinnville, Ore.—The contract for constructing a sewer system has been awarded to V. R. DENNIS, Lewis Bldg., Portland, at $31,797.

Chino, Calif.—A special election will soon be held to vote bonds for $50,000 for the construction of a sewer system. Plans for the sewer have been prepared by, Olmsted & Gillilen, Engr., Hollingsworth Bldg., Los Angeles, Calif.

✚Enterprise, Ore.—The contract for the construction of a sewer system has been awarded to J. H. CHILDS, La Grande, Ore., at $14,958. Noted Feb. 18.

Marysville, Calif.—The city will soon vote on the issue of $18,000 in bonds for extending the drains and improving sewers in the Ellis Lake District.

Napa, Calif.—The lowest bid submitted for the construction of a storm sewer in York St. was from John H. May at $9999.

✚San Diego, Calif.—The contract for constructing the Ocean Beach sewer has been awarded to A. C. Hose, at $49,300.

Toronto, Ont.—Bids will be received until Apr. 13 for the construction of sewers on various streets. Specifications are on file at office of R. C. Harris, Comr. of Wks.

Victoria, B. C.—The City Council is considering plans presented by the City Engr. for sewers to cost $150,000. It is expected that work will be started in a few weeks.

GARBAGE

Philadelphia, Penn.—Press reports state that M. L. Cooke, Dir. Dept. Pub. Wks., will receive bids for garbage disposal during 1916.

★✚Dayton, Ohio—(Official)—The contract for installing the equipment for the proposed garbage reduction plant has been awarded to the GEM CITY BOILER CO., Dayton, at $11,427. The Bartlett & Snow Co. will furnish the equipment. The contract for installing a fire and steam dryer was awarded to the KILBY MFG. CO., Cleveland, at $2675. Noted Feb. 18.

Chicago, Ill.—The electors will soon be asked to vote on a bond issue of $700,000 the proceeds to be used in remodeling the present reduction works at Iron St. and for completing the new plant at 95th St. For the latter enterprise $170,000 is needed. The second largest item is $120,000 for an addition to the extractor building at the old plant. Then it is proposed to put up a new mill building to cost $105,000.

West Allis, Wis.—The Common Council has voted favorably on the proposition for the establishment of a garbage incinerator. About $7500 will be spent for this purpose.

STREETS AND ROADS

Augusta, Maine—(Official)—Bids will be received until 2 p.m., Apr. 15 by E. E. Newbert, State Treas., for the sale of $500,00 in bonds, the proceeds of which will be used for constructing highways.

Boston, Mass.—Bids will be received until Apr. 12 by the Public Works Department for improving Dracut, Juliette and Percival St., Dorchester District. L. K. Rourke is Comr.

Boston, Mass.—Bids will be received until Apr. 13 by the State Highway Commissioner for the construction of 10,500 lin.ft. of road in Ashby, and 3800 lin.ft. in Gardner. Arthur W. Dean, 15 Ashburton Pl., is Ch. Engr.

✚Boston, Mass.—The contract for paving Commonwealth Ave. with wood block has been awarded to CLARK & GORE at $60,014. Other bids were: James Doherty, $62,074; Rowe Contracting Co., $64,676; Coleman Bros., $65,770; Northern Construction Co., $68,778; John J. Lane, $69,567; John E. Quinn, $69,653; Simpson Bros. Corporation, $71,147; Hanscom Construction Co., $73,988, and John McCourt Co., $79,085. Noted Mar. 18.

✚Boston, Mass.—The contract for paving Columbia Rd. with bitulithic has been awarded to JAMES DOHERTY, at $41,260. Other bids were: John L. Kelley, $41,545; Fred S. Gore, $42,120; J. J. McCarthy Co., $42,348; Robert C. Browne, $43,023, and Warren Bros., $44,500. Noted Mar. 18.

Fitchburg, Mass.—Plans have been prepared for macadamizing and paving several streets. The estimated cost of the work is $52,000.

Lee, Mass.—The Town Board contemplates an expenditure of $10,000 for macadamizing Columbia Rd.

✚Hartford, Conn.—Contracts [illegible] road work, bids for which were received by the State Highway Commissioner, Mar. 22, have been awarded as follows: Wethersfield Township, about 7680 lin.ft. bituminous macadam on Maple, Mill and Prospect St., to B. D. PIERCE, JR. CO., Bridgeport, at $9248. Stamford Township, about 4810 lin.ft. native stone macadam on Long Ridge Rd., to A. BRAZOS & SONS, Middletown, at $6963; Waterbury City, 10,100 lin.ft. 8-in. gravel on Watertown Rd., to the CONNECTICUT GOOD ROADS & CONSTRUCTION CO., New Britain, at $11,422. Noted Mar. 18 and Apr. 1.

Hartford, Conn.—Bids will be received by the Board of Contract and Supply, until 11 a.m., Apr. 13, for laying 20,260 sq.yd. sheet asphalt wearing surface on concrete base on Trumbull, and Village St. and Wethersfield Ave.; for laying about 2100 sq.yd. sheet asphalt in connection with repair of streets; also for laying concrete base and granite block wearing surface of about 1200 sq.yd. on Trumbull St. Specifications on file at the office of Roscoe N. Clark, City Engr.

Norwich, Conn.—Press reports state that the City Council plans an expenditure of $30,000 for constructing sidewalks.

✚Waterbury, Conn.—A contract for 175,000 gal. of 45% asphaltic road oil has been awarded to the STANDARD OIL CO., New York, N. Y., at $0.0344 for Grade A and $0.0347 for Grade B. Noted Mar. 25.

✚Waterbury, Conn.—The contract for building about 1½ miles of earth highway in the eastern part of Morris Township, in the Valley of the west branch of the Naugatuck River has been awarded to the FRAMINGHAM CONTRACTING CO., South Framingham, Mass., at $14,393. Other bids were: Barbara & D'Aurio, Waterbury, $14,769; B. W. Beard Co., Shelton, $15,948; John De Michael, Torrington, $15,964; Louis Longhi, Torrington, $16,173; Connecticut Good Roads & Construction Co., New Britain, $17,959; Edward Reiley, Waterbury, $18,540. Noted Mar. 25.

Cedarhurst, N. Y.—(Official)—At an election held Apr. 1 the citizens voted in favor of issuing $36,000 in bonds for paving certain streets.

Gloversville, N. Y.—The City Council proposes to lay 10,000 sq.yd. of concrete and 1200 sq.yd. of brick pavement on old macadam. H. J. Hammer is City Engr.

Hudson, N. Y.—Bids will soon be received for paving 6035 yd. with bituminous macadam or concrete. M. O'Hara is City Engr.

New York, N. Y.—(Borough of Bronx)—(Official)—All bids received Mar. 16 by the Borough President for improving Overing St. from Westchester to Walker Ave. were rejected. Noted Mar. 11 and 25.

✚New York, N. Y.—(Borough of Bronx)—(Official)—The contract for improving Holland Ave. from Gun Hill Rd. to East 215th St., has been awarded to AMANA & LYONS, 10 Van Cortland Ave., at $9055. Noted Mar. 11 and 25.

New York, N. Y.—(Borough of Brooklyn)—Bids will be received until 3 p.m., Apr. 15, by the Park Board for making improvements by constructing walks in the addition to southerly end of the Brooklyn Botanic Garden. Cabot Ward is Pres. of the Bd.

New York, N. Y.—(Borough of Brooklyn)—Bids will be received until 11 a.m., Apr. 14 by L. H. Pounds, Borough Pres. for improving Gates Ave. from Sumner to Lewis Ave., 18th St. from 11th Ave. to Vanderbilt St., Front St. from Fulton to Adams St. and various other streets.

New York, N. Y.—(Borough of Queens)—(Official)—Bids were received for improving streets as follows. (a) Grand Ave. from Crescent St. to Second Ave., (b) First St. from First to Third Ave., College Point (c) Perry Ave. from Mueller (Fiske) St. to Broad St.; Barber Asphalt Co., (a) $10,259; Uvalde Asphalt Co., (a) $8430; Sicilian Asphalt Co., (a) $8650; Borough Asphalt Co., (a) $20,565; Cleveland Trinidad Paving Co., (a) $10,132; T. F. Tuohy, (b) $5568; D. M. O'Connor, (b) $5244; Pearce Bros. (b) $5458, (c) $28,840; C. Vanderbilt, (b) $5162; H. J. Mullen Contracting Co., (b) $6001, (c) $28,625 (informal); Clancy & Nuhn, (b) $5774; Gifford Construction Co., (b) $5720; Astoria Contracting Co., (b) $5546, (c) $22,688; Queens Plaza Contracting Co., (b) $5399; Burnside Contracting Co., (c) $27,732; Evergreen Construction Co., (c) $25,865; C. A. Myers Contracting Co., (c) $40,602; Anabel Construction Co. (c) $21,856. Noted aMr. 18.

Cape May C. H., N. J.—Bonds for $20,000 have been sold, the proceeds of which will be used for improving roads in Cape May County.

Cranbury, N. J.—The State Road Department, Trenton, is considering the construction of a road from Cranbury to Princeton Junction.

Haddonfield, N. J.—The Board of City Commissioners contemplates an expenditure of $17,000 for resurfacing local streets and extending the sewer system.

✚Highlands, N. J.—The contract for paving Bay Ave. has been awarded by the Board of Chosen Freeholders of Monmouth County, Freehold, to CHARLES E. BURD, Red Bank, N. J., at $10,530.

Hopewell, N. J.—Theodore Tobish, County Engr. of Mercer County, is making surveys for the improvement of the Hopewell-Woodsville Rd.

Jersey City, N. J.—Bids will be received until Apr. 22 by the Board of Commissioners from repaving Grove St. from Grand St. to the Hoboken line and Chestnut Ave. from Trenton St. to the southerly line of the Pennsylvania R.R.

Jersey City, N. J.—Bids will be received until 2 p.m., Apr. 22 by the Board of Commissioners for improving Summit Ave. from Jefferson to Carlton Ave. and Elizabeth St. from Waldo to Chestnut Ave.

Keyport, N. J.—Press reports state that the Borough Council plans to improve Broad St. by paving with concrete.

Newark, N. J.—The Board of Chosen Freeholders plans to repave Central, South Orange and Springfield Ave., from Stuyvesant Ave. west to the town line.

Newton, N. J.—The Board of Chosen Freeholders of Sussex County contemplates the improvement of the Baleville-Newton Rd.

Allentown, Penn.—The City Council plans to pave 17th St. from Chew to Liberty St. This is reported to be the first section of a total of about three miles of paving to be laid this season. C. D. Weirbach is City Engr.

Kingston, Penn.—Bids will be received until May 1 by J. Kelly, 446 Hoyt St., for paving Grove Ave., Cooper St., Prengle Borough, at an estimated cost of $10,000.

Rouseville, Penn.—At a recent election the citizens voted in favor of issuing $10,000 in bonds, the proceeds of which will be used for paving Main St.

Easton, Md.—(Official)—Bids will be received until Apr. 13 by the Commissioners of Talbot County for constructing 1.57 miles of State Aid highway upon or along the Tunis Mills Rd., from Unionville to Tunis Mills. J. B. Harrington is Clk. of the Comrs.

Washington, D. C.—See item under "Federal Government Work."

Fairfax, Va.—At a recent election the citizens of Fairfax County Magisterial District voted in favor of issuing $50,000 in bonds, the proceeds of which will be used for road work.

★**Charleston, W. Va.**—(Official)—Bids were received Mar. 24 for curbing and paving Charleston, Florida, Jackson, Beuregard, Elizabeth, McClung, Kentucky, Quarrier and Jefferson St. and Park, Central, Fourth, Ruffner and California Ave. as follows: R. M. Hudson, Atlanta, Ga., $26,846; Central Engineering Co., Charleston, W. Va., $8550; Federal Asphalt Co., Hamilton, Ohio, $29,310; Carey Reed Co., Lexington, Ky., $18,292 and Glover & Kimberlin, Charleston, W. Va., $35,850. Noted Mar. 11.

✚**Huntington, W. Va.**—According to press reports A. B. Maupin, Engr., awarded a contract for constructing brick pavement to HARRISON & DEAN, Huntington.

Huntington, W. Va.—At the election to be held in May the citizens of Cabell County will vote on the question of issuing $600,000 in bonds, the proceeds of which will be used for constructing roads. Noted Feb. 18.

Parkersburg, W. Va.—Bonds for $200,000 were sold Mar. 11, the proceeds of which will be used for improving streets. Noted Feb. 25.

Wayne, W. Va.—The Commissioners of Wayne County contemplate constructing about three miles of road. The estimated cost is $40,000. A. D. Williams, Charleston, W. Va., is Engr.

Welch, W. Va.—At the election held Mar. 20 the citizens voted in favor of issuing $165,000 in bonds for constructing roads in Big Creek Magisterial District. Noted Feb. 25.

Greensboro, N. C.—Bids will be received until Apr. 14 for constructing 75,000 sq.yd. of sheet asphalt and asphalt concrete pavement. W. W. Myers is Engr.

Pittsboro, N. C.—(Official)—Bids will be received until noon, May 3, by the Board of Commissioners of Chatham County for the sale of approximately $70,000 in bonds, the proceeds of which will be used for constructing and improving roads in Center and Haw River Townships. C. D. Moore is Chn. Bd. of Comrs.

Plymouth, N. C.—Bids will be received until Apr. 12 by the Board of Commissioners of Washington County for constructing and rebuilding the Plymouth-Pantego Turnpike, about 3½ to 5 miles.

Yadkinville, N. C.—At the election held Mar. 25 the question of issuing $200,000 in bonds, the proceeds of which was to have been used for constructing roads in Yadkin County was defeated. Noted Feb. 25.

Greenville, S. C.—An election will be held Apr. 20 to vote on the question of issuing $100,000 in bonds, the proceeds to be used for improving streets.

Lancaster, S. C.—Bids will be received until Apr. 20 for laying 12,000 yd. of paving. H. S. Jaudon Engineering Co., Savannah, Ga., is Engr.

Sanford, Fla.—Bids will be received until 8 p.m., Apr. 19 for paving 3100 sq.yd. with brick. M. W. Lovell is City Clk.

✚**Birmingham, Ala.**—The Board of Commissioners Mar. 30 awarded the contract to the BIRMINGHAM PAVING CO., Birmingham, for paving First Ave., from the east end of the viaduct to 41st St., at approximately $28,677. Noted Feb. 25.

Camden, Ala.—At the election held Mar. 20 the question of issuing $25,000 in bonds, the proceeds of which was to have been used for constructing roads and bridges in Wilcox County was defeated. Noted Mar. 18.

Vernon, Ala.—Press reports state that the citizens of Lamar County voted in favor of issuing $150,000 in bonds the proceeds of which will be used for constructing roads. Noted Jan. 7.

New Orleans, La.—(Official)—Bids will be received until noon, Apr. 24, by the Highway Department of the Board of State Engineers, Room 104, New Orleans Court Bldg., for constructing about nine miles of the Abbeville-Kaplan Highway, Vermilion Parish.

Columbia, Tenn.—Bids will be received until Apr. 26 by the Maury County Road Committee for constructing roads in Maury County. J. Trim McKnight is County Judge.

Catlettsburg, Ky.—An election will be held May 1 to vote on the question of issuing $500,000 in bonds, the proceeds of which will be used for constructing roads in Boyd County. J. H. Wade is County Judge.

Hindman, Ky.—Press reports state that the Town Board contemplates an expenditure of $10,000 for improving Main St.

Mt. Vernon, Ky.—At a recent election the citizens of Rockcastle County voted in favor of issuing $100,000 in bonds, the proceeds of which will be used for constructing roads in Rockcastle County. Noted Jan. 25.

Murray, Ky.—An election will be held May 29 to vote on the question of issuing $200,000 in bonds, the proceeds of which will be used for constructing roads in Calloway County.

Bowling Green, Ohio—Bids will be received until Apr. 12 by W. A. Meriner, Dir. Pub. Ser., for grading, paving and curbing Ordway, Ada and Evers Ave.

Canton, Ohio—(Official)—Bids will be received until 10 a.m., Apr. 14, by the Commissioners of Stark County for improving the Navarre-Justus and the Waco-Mapleton Rd. C. L. Stoner is Clk. of the Bd.

Cincinnati, Ohio—(Official)—Bids will be received until noon, Apr. 30, by the Board of Commissioners of Hamilton County for improving various roads in Hamilton County. Fred E. Wesselmann is Pres. of the Comrs.

Columbus, Ohio—Contracts have been awarded by the County Commissioners of Franklin County for the improvement of roads as follows: Souders Rd. in Jefferson Township, THEODORE VOGELSBERG, Columbus, $26,709; Norwich Township Central Rd., W. O. JEWETTS, Worthington, $30,868; Clark Rd. in Jefferson and Mifflin Township, J. M. SNOUFFER, Columbus, $65,934; Dougherty Rd. in Prairie Township, E. WALZ, Columbus, $15,705; Bohm Rd. in Blendon Township, HARNESS RENICK, Williamsport, $26,430.

Kenton, Ohio—(Official)—Bids will be received until noon, Apr. 14 for paving Courtright St. W. E. Myers is Engr.

✚**Logan, Ohio**—The contract for paving High St. has been awarded to HOUSTON & HENDERSON, at $6000.

Marblecliff, Ohio—(Official)—Bids will be received until noon, Apr. 26, by C. Newhouse, Clk., for improving Cambridge Pl. Ave.

✚**Marion, Ohio**—The contract for paving West Center St. with brick has been awarded to JAMES C. DRAKE, at $15,000.

Oakharbor, Ohio—Bids will be received until Apr. 27 by Louis L. Cartensen, Clk., for paving Locust St. from the river to the Lake Shore R.R.

Port Clinton, Ohio—Bids will be received until Apr. 26 by D. L. Mackey, Audr. of Ottawa, County, for grading, draining and macadamizing three miles of roads.

Springfield, Ohio—Bids will be received until 7 p.m., Apr. 19, by William H. Mahoney, Clk. of the City Comn., for the sale of $58,233 in bonds, the proceeds of which will be used for improving various streets.

Toledo, Ohio—(Official)—Bids will be received until 10 a.m., Apr. 14, by Charles J. Sanzenbacher, Audr. of Lucas County, for improving Copland Blvd.

Uhrichsville, Ohio—Press reports state that bonds for $20,000 have been sold, the proceeds of which will be used for paving.

Urbana, Ohio—Bids will be received until Apr. 29 by J. W. Rock, Dir. of Pub. Ser., for paving and curbing 6800 lin.ft. of South Main and Miami St.

West Park, Ohio—(Official)—Bids will be received until noon, Apr. 20, by Fred Feuchter, Clk., for constructing sidewalks on Berea, River and Herrington Roads and Nichols Ave.

Huntington, Ind.—(Official)—Bids will be received until 10 a.m., May 6, by the Commissioners of Whitley and Huntington Counties for constructing a county line road. Harold Guthrie is Audr. of Huntington County.

✚**Indianapolis, Ind.**—The Board of Works has awarded the contract for the paving of Northwestern Ave. to the AMERICAN CONSTRUCTION CO., at $15,031.

Lebanon, Ind.—(Official)—Bids will be received until 1 p.m., May 7 by the Commissioners of Marion, Hamilton and Boone Counties for constructing a county line road. D. M. Clark is Audr. of Boone County.

Coldwater, Mich.—Bids will be received until Apr. 30 by the Commissioners of Branch County for constructing 1½ miles of macadam road in Butler Township.

✚**Flora, Ill.**—A contract for paving four blocks with vitrified brick has been awarded to SELL & KOLLAR, Pana, Ill., at $16,262.

✚**Pekin, Ill.**—The contract for paving State and Second St. has been awarded to JANSEN & ZOELLER, Pekin, at $44,076. Noted Mar. 25.

✚**Algoma, Wis.**—Contracts have been awarded for paving Fourth St. to FRED WULF, Algoma and Fremont St., to GARVEY & WEYENBERG, Kaukauna, Wis., Noted Mar. 25.

✚**Fond du Lac, Wis.**—Contracts have been awarded for paving Western Ave. and Superior St., to J. RASMUSSEN & SONS CO., Oshkosh, at $9398 and $10,659 respectively; Cottage Ave. and Johnson St., to the MURPHY CEMENT CONSTRUCTION CO., at $2410 and $22,002, respectively.

La Crosse, Wis.—The Board of Public Works will receive bids until 2 p.m., Apr. 24, for asphalt macadam and brick paving on various streets. W. J. Fries, is Comptroller.

Plymouth, Wis.—(Official)—Bids will be received until 8 p.m., May 4, by H. A. Lueake, City Clk., for laying 21,000 sq.yd. of permanent pavement on concrete foundation, 10,745 of curb and gutter and other accessories.

Stoughton, Wis.—L. C. Currier, Secy., will receive bids until noon, Apr. 16, for waterbound macadam paving and combination curb and gutter on parts of four streets.

✚**Superior, Wis.**—The contract for paving parts of Belknap St. with asphalt has been awarded to JOHN DIFFER, Superior, Wis., at $22,567.

Sturgeon Bay, Wis.—J. C. Langenak, City Clk., will receive bids until 3 p.m., Apr. 12, for furnishing 20,000 gal. No. 4 asphaltum road oil, 40 to 50%, and one air pressure oil distributor of 600-gal. capacity.

West Bend, Wis.—C. P. Heipp, City Clk., will receive bids until Apr. 22 for concrete paving on Main St. from Beeck to Poplar St. and two intersections, together with combination curb and gutter.

✚**Sioux City, Iowa**—The contract for paving West Riverside Ave. and Iowa St. with concrete has been awarded to JULIUS ORENSEN, Sioux City.

✚**Kansas City, Kan.**—The contract for repaving Minnesota Ave. from Fourth to Eighth St. has been awarded to GEORGE ROUDEBUSH, at $36,000.

Fairbury, Neb.—The City Council plans to pave various streets with asphalt or brick. E. A. Wunder is Clk.

Blue Springs, Mo.—An election will be held Apr. 14 at which the question of issuing $10,000 in bonds for paving will be submitted to the voters.

✚**Kansas City, Mo.**—A contract for constructing concrete pavement has been awarded to A. JAICKS, at approximately $20,000.

Sheridan, Ark.—Bonds for $160,000 were sold Mar. 19, the proceeds of which will be used for improving roads in District No. 1.

Brownfield, Tex.—(Official)—We have been advised that the Commissioners of Terry County plan to construct about 30 miles of road by day labor this year.

Brownwood, Tex.—Press reports state that the citizens of Brown County contemplate voting on the question of issuing $60,000 in bonds, the proceeds of which will be used for constructing roads.

Caldwell, Tex.—Bonds for $12,000 have been voted, the proceeds of which will be used for improving the principal streets. M. J. McCombs, Waco, Tex., will be Engr.-in-Charge.

Cuero, Tex.—(Official)—An election will be held Apr. 22 in Precinct No. 1, to vote on the question of issuing $35,000 in bonds, the proceeds of which will be used for constructing approximately 18 miles of road.

Cuero, Tex.—(Official)—An election will be held Apr. 17 in Precinct No. 2, to vote on the question of issuing $50,000 in bonds, the proceeds to be used for constructing about 17 miles of road.

Hondo, Tex.—At a recent election the citizens of Medina County Castroville District voted in favor of issuing $40,000 in bonds, the proceeds to be used for constructing roads.

Houston, Tex.—Press reports state that bids will be received until Apr. 12 by H. L. Washburn, County Audr. for grading the Seller Rd.

Karnes City, Tex.—At a recent election the citizens of Karnes County voted in favor of issuing $75,000 in bonds, the proceeds of which will be used for constructing roads in Precinct No. 1.

Tascosa, Tex.—(Official)—We are advised that Oldham County will spend about $10,000 for the construction of 47 miles of road. William Balfour is Clk. of County Court.

Yoakum, Tex.—The city plans to improve Coke St. from Hubbard to Sheehan St., Hubbard St. from Coke to Gonzales St. and Gonzales St. from Hubbard to Simpson St.

Cushing, Okla.—Press reports state that the city plans to pave approximately 16 blocks of the business district with brick. C. E. Droege is Mayor.

Colorado Springs, Colo.—(Official)—Bids will be received until noon, Apr. 10, by the Board of Commissioners of El Paso County for constructing approximately 1600 lin.ft. of the Ute Pass Rd., State Highway No. 18.

✚Colorado Springs, Colo.—A contract for improving the Ute Pass Rd. has been awarded to RIPLEY & LESLIE, Pueblo, at $9000.

Yuma, Ariz.—The Board of Supervisors of Yuma County has sold $500,000 in bonds, the proceeds of which will be used for constructing roads.

Chehalis, Wash.—(Official)—Bids will be received about Apr. 10 by the Commissioners of Lewis County for constructing 1½ miles of concrete road near Curtis. J. D. Neville is County Engr.

Hillyard, Wash.—Morton McCartney, City Engr., of Spokane, will soon prepare plans for paving Diamond Ave. The work will be done during the summer.

Port Orchard, Wash.—The Commissioners of Kitsap County have authorized S. H. Berry, County Engr., to prepare plans for the construction of a road from Colby to Harper, about two miles. The estimated cost is $8000.

Seattle, Wash.—Bids will be received until Apr. 20, by the Board of County Commissioners of King County, for constructing the Redmond-Snoqualmie Rd., to be known as Permanent Highway No. 1. The work will cost about $50,000.

Walla Walla, Wash.—(Official)—Bids will be received until Apr. 20 by M. A. Power, City Clk., for paving South Ninth, North Second, Whitman, Wellington and Palouse St. and Isaacs Ave. Noted Mar. 11.

Oregon City, Ore.—The City Council has authorized the City Engineer to prepare plans for the paving of Main St.

Yamhill, Ore.—At a recent election the citizens voted in favor of issuing $9000 in bonds, the proceeds of which will be used for improving streets. Noted Sept. 14, 1914.

✚Elmhurst, Calif.—A contract for constructing macadam pavement has been awarded to D. W. TOFFELMIER, San Leandro, at $19,000.

Fresno, Calif.—Bids will be received by D. M. Barnwell, Clk., Bd. of Supervisors of Fresno County, until 2 p.m., Apr. 14, for approximately 80,000 bbl. of road oil.

✚Banning, Calif.—The contract for constructing 22½ miles of highway in Banning to Palm Springs has been awarded by the Commissioners of Riverside County to B. R. DAVISSON CO., Monrovia, at $63,954.

Yuba City, Calif.—The City Trustees plan to pave a number of streets in the near future. Claude Kline is Clk. of the Trustees.

Valleyfield, Que.—The City Council proposes to pave various streets with tarvia and concrete. L. J. Bezer is Clk. of the Council.

Hamilton, Ont.—The Board of Control plans to construct a concrete roadway from Kenilworth Ave. to the Beach filtration plant. The estimated cost of the work is $30,000.

St. Mary's, Ont.—The City Council plans to construct a number of concrete sidewalks this summer. T. M. Clark is Clk. of the Council.

INDUSTRIAL WORKS

✚Boston, Mass.—The contract for the construction of a nine-story, 90x122-ft. storage building for the Boston Wharf Co., 259 Summer St., has been awarded to J. M. & C. J. BUCKLEY. The estimated cost is $60,000.

✚New Bedford, Mass.—The contract for the construction of a five-story, 110x120-ft. storage building for the Beacon Mfg. Co. has been awarded to the CHARLES B. MAGUIRE CO.

Worcester, Mass.—Bids will soon be received by Armour & Co., Chicago, Ill., for the construction of a three-story cold-storage warehouse at 218 Summer St. Estimated cost, $60,000. Noted June 18.

✚Worcester, Mass.—The contract for the construction of a four-story, 48x80-ft. addition at Greendale for the Norton Co. has been awarded to the E. J. CROSS CO. Estimated cost, $25,000.

New York, N. Y.—(Borough of Bronx)—Plans are being prepared by Benjamin W. Levitan, Arch., 20 West 31st St., for the construction of a two-story, 50x200-ft. garage at 966 Prospect Ave. for the Prospect Garage Co. Estimated cost, $50,000.

New York, N. Y.—(Borough of Brooklyn)—Plans are being prepared by Cannella & Gallo, Arch., 60 Graham Ave., for the construction of a four-story, 45x95-ft. factory for F. Tomasso, 279 Bushwick Ave. Estimated cost, $20,000.

New York, N. Y.—(Borough of Manhattan)—John M. Baker, Arch., 9 Jackson Ave., Long Island City, is preparing plans for alterations to the five-story, 50x100-ft. factory for the Tegetmeier & Riepe Co., 771 First Ave. Estimated cost $25,000.

New York, N. Y.—(Borough of Manhattan)—Plans are being prepared by J. P. Wiskeman, Arch., 30 East 42d St., for the construction of a four-story, 78x101-ft. garage for T. Smith, 2391 Walton Ave. The estimated cost is $60,000.

New York, N. Y.—(Borough of Queens)—Plans are being prepared by John M. Baker, Arch., 9 Jackson Ave., for the construction of a five-story, 50x100-ft. reinforced-concrete factory on Jackson Ave., for the Auto Supply & Equipment Co. Estimated cost, $50,000.

Rensselaer, N. Y.—(Official)—Plans are being prepared by C. F. Makepeace & Co., Arch., for the construction of a three-story, 60x335-ft. reinforced-concrete plant for William Barnet & Son, Albany. Noted Mar. 25.

✚Jersey City, N. J.—The J. W. FERGUSON CO., United Bank Bldg., Paterson, has been awarded the general contract for the construction of a three-story, 39x92-ft. reinforced-concrete factory for the Parodi Cigar Co., Inc. The estimated cost is $75,000.

Erie, Penn.—The Niagara Film Co., Marine Bank Bldg., plans to construct a plant. The estimated cost is $150,000.

Harrisburg, Penn.—Plans are being prepared for the construction of a three-story, 42x88-ft. addition to the plant of the Kreider Shoe Co.

Harrisburg, Penn.—(Official)—Work will be started about May 1 on the construction of a three-story, 81x153-ft. factory at Tenth and Market St. for the Standard Baking Co. Estimated cost, $100,000.

✚Pittsburgh, Penn.—Henry Laughlin has awarded the contract for the construction of a two-story garage to TOUPET BEIL & CONLEY. The estimated cost is $70,000.

Warren, Penn.—The Floridin Co. plans to construct a plant to cost $60,000.

Wilkes-Barre, Penn.—The Duplan Silk Co. contemplates the construction of a factory. The estimated cost is $500,000.

Baltimore, Md.—Plans are being prepared by Stanislaus Russell, Arch., 2900 Clifton Ave., for alterations and additions to the plant of the Schall-Crouch Auto Co. Estimated cost, $12,000.

✚Albemarle, N. C.—The contract for the construction of a three-story addition to mill No. 5 for the Wiscassett Mills Co. has been awarded to HOLDBROOKS & BRADSHAW, Salisbury. Estimated cost, $100,000.

✚Columbia, S. C.—E. W. ROBINSON has been awarded the contract for the construction of a one-story, 51x80-ft. garage and a 37x60-ft. repair shop for the Capital City Garage Co. Estimated cost, $10,000.

✚Bessemer, Ala.—The United States Cast-Iron Pipe & Foundry Co., Burlington, N. J., has awarded the contract for the construction of an addition to the VIRGINIA BRIDGE & IRON CO., Roanoke, Va., at $50,000.

✚Ashland, Ky.—The MT. VERNON BRIDGE CO., Mt. Vernon, Ohio, has been awarded the contract for the construction of a five-story, 62x132-ft. plant for the Norton Iron Works. Estimated cost, $50,000.

✚Louisville, Ky.—The W. E. WOOD CO., Detroit, Mich., has been awarded the general contract for the construction of a six-story, reinforced-concrete assembling plant for the Ford Motor Co. Estimated cost, $500,000. Noted Jan. 7.

Cleveland, Ohio—The American Shipbuilding Co. plans to construct a group of reinforced-concrete buildings on West 24th St. The group consists of a 120x320-ft. foundry and machine shop, a two-story, 100x200-ft. pattern shop and a three-story, 60x100-ft. storage building. The estimated cost is $160,000.

Cleveland, Ohio—The Cleveland Builders Supply Co. will construct a 52x212-ft. warehouse. The estimated cost is $15,000.

✚Cleveland, Ohio—The Frantz-Premier Mfg. Co., Leader-News Bldg., has awarded the contract for the construction of a four-story plant on Ivanhoe Rd. to the SAMUEL AUSTIN & SON CO., 14,230 Euclid Ave. Estimated cost, $150,000.

Cleveland, Ohio—Plans have been prepared by the Forest City Engineering Co., Arch., 512 Hippodrome Bldg., for the construction of a one-story, 80x112-ft. foundry at Aetna Rd. and East 91st St. Estimated cost, $12,000.

Cleveland, Ohio—Plans have been prepared by Prack & Perrien, Arch., Pittsburgh, Penn., for the construction of an eight-story, 150x200-ft., reinforced-concrete pattern building for the Westinghouse Electric & Mfg. Co. Estimated cost, $300,000.

Toledo, Ohio—Bids are being received by E. Scheiwe, Detroit, Mich., for the construction of a seven-story, reinforced-concrete storage warehouse at Spielbusch Ave. and State St. for the Scheiwe Storage Co., 645 Ohio Bldg. Noted Jan. 28 and Apr. 1.

Bloomington, Ind.—The Showers Bros. Furniture Co. plans to construct an addition to its plant. Estimated cost, $50,000.

✚East St. Louis, Ill.—(Official)—The WOERMANN CONSTRUCTION CO., 543 Century Bldg., St. Louis, Mo., has been awarded the contract for the construction of five-story, reinforced-concrete abattoir for Armour & Co.

Peoria, Ill.—Plans are being prepared by Warren W. Day, Arch., 527 Main St., for the construction of a six-story, 78x155-ft. warehouse for Oakford & Fahnestock. The estimated cost is $100,000.

†La Crosse, Wis.—The contract for the construction of a one-story, 80x125-ft. addition for the Wisconsin Pearl Button Co. has been awarded to F. M. NOBEL. Estimated cost $22,000. Noted Mar. 25.

Milwaukee, Wis.—Bids will be received about Apr. 15 for the construction of a two-story, 80x100-ft., reinforced-concrete addition for the Richard Guinz Packing Co., Muskego Ave. and Canal St. The estimated cost is $25,000.

Milwaukee, Wis.—The Federal Pressed Steel Co. will construct an addition to its plant at Keefe Ave. and North Pierce St. The estimated cost is $10,000.

†Milwaukee, Wis.—The contract for the construction of a printing plant on 20th St. for O. Schutz, Clybourn St., has been awarded to the KROENING CONSTRUCTION CO. Estimated cost $20,000.

Des Moines, Iowa—According to press reports the Nichols & Shepherd Co., Battle Creek, Mich., plans to construct a warehouse. Estimated cost, $75,000.

†Minneapolis, Minn.—C. A. BOEHME has been awarded the contract for the construction of a two-story, 51x38-ft. factory at 65 22nd St. N. E. for the Minnesota Fiber Bottle Co. Estimated cost, $30,000. Noted Apr. 1.

Leavenworth, Kan.—The Schalker Bros. Packing Co. will construct a two-story, reinforced-concrete packing house at Third and Choctaw St. The estimated cost is $35,000.

†St. Louis, Mo.—The contract for the construction of a three-story, 70x150-ft. reinforced-concrete warehouse at 2917 Clark Ave., for the United States Incandescent Lamp Co., has been awarded to BROCK BROS. Estimated cost, $15,000.

Portland, Ore.—The Oregon-Washington R.R. & Navigation Co. plans to construct a roundhouse at Walla Walla, Wash. Estimated cost, $60,000. J. R. Holman is Chief. Engr.

†San Fernando, Calif.—HUNTSBERGER & REED, 414 Van Nugs Bldg., has been awarded the contract for the construction of a one-story, 80x172-ft. packing plant for the San Fernando Heights Lemon Co. Estimated cost, $12,000. Noted Mar. 18.

Hamilton, Ont.—The Dominion Sheet Metal Co., Ltd., recently incorporated with a capital of $300,000, will construct a plant for the manufacture of galvanized iron sheets. A. T. Enlow, Oshawa, Ont., is Pres.

FEDERAL GOVERNMENT WORK

★Dredging—Providence, R. I.—The following are the bids received for dredging in Providence Harbor: P. Sanford Ross, Jersey City, N. J., $91,833; John H. Gerrish, Boston, Mass., $104,733; J. S. Packard Dredging Co., Providence, R. I., $92,113. Noted Mar. 4.

†Post Office—Danbury, Conn.—The contract for the construction of a post office at Danbury has been awarded to GEORGE B. WILLIS & CO., 103 Park Ave., New York, at $69,175. This post office was originally awarded to the Charles McCaul Co., Philadelphia, Penn., at $61,900, but this company was released from the contract on the ground that an error had been made in the bid. Noted Sept. 24, Nov. 12 and Mar. 18.

Post Office—Plainfield, N. J.—Bids were received for the construction of a post office at Plainfield, (a) using limestone for all exterior stonework except where granite is specified, (b) using sandstone for all exterior stonework except where granite is specified, (c) using light pink Tennessee marble for all exterior stonework except where granite is specified, as follows: John C. Abbott, Plainfield, (a) $109,910, (b) $113,910, (c) $142,910; J. Kresse Co., New York, (a) $83,900, (b) $88,000, (c) $111,000; Torbert Construction Co., Hampton, Va., (a) $94,443, (b) $98,336, (c) $116,931; J. S. Rogers Co., Moorestown, N. J., (a) $91,800, (b) $97,800, (c) $116,900; M. Yeager & Son, Danville, Ill., (a) $94,569, (b) $96,525, (c) $114,672; Conners Bros. Co., New York, (a) $92,239, (b) $96,525, (c) $114,670; Hagen Lumber Co., Scranton, Penn., (a) $97,997, (b) $101,000, (c) $124,510; Colonial Construction & Supply Co., Charlottesville, Va., (a) $96,769, (b) $101,269; Lewis P. Fluhrer Co., New York, (a) $99,995; (b) $124,460; J. P. Cullen Construction Co., Janesville, Wis., (a) $117,000, (c) $139,500; W. H. Fissell & Co., New York, (a) $84,000, (b) $92,878, (c) $113,373; John Lowry, Jr., New York, (a) $87,700, (b) $92,000, (c) $112,000; John G. Unkefer & Co., Minerva, Ohio, (a) $92,213, (b) $100,272, (c) $117,449; William H. Egan, New York, (a) $96,420, (b) $102,000, (c) $121,300; Westchester Engineering Co., White Plains, N. Y., (a) $88,235, (b) $98,000, (c) $112,000; S. W. Mather & Son, Trenton, N. J., (a) $86,200, (b) $90,300, (c) $108,980; Thomas W. Cissel, Wooster, Ohio, (a) $98,300, (b) $102,700, (c) $123,770; B. F. Tallamy & Bros., Plainfield, N. J., (a) $100,975, (b) $105,465, (c) $128,575; Aroldo Barbares, Mt. Vernon, N. Y., (a) $114,900, (b) $115,800, (c) $137,000; Charles Gilpin, Philadelphia, Penn., (a) $82,978, (b) $89,538, (c) $105,100; George B. Wills & Co., New York, (a) $87,416, (b) $92,735, (c) $109,901. Noted Feb. 25.

†Stone and Riprap—Philadelphia, Penn.—The contract for furnishing and depositing 1000 tons of broken stone and 2100 tons of riprap at Brandywine Shoal Light Station, Delaware Bay has been awarded to the COAST & LAKES CONTRACTING CORPORATION, 41 Broad St., New York, N. Y., at $8959. Noted Feb. 25 and Apr. 1.

†Artesian Water Supply—Indian Head, Md.—The contract for additional artesian water supply at the U. S. naval proving ground has been awarded to EDWARD CHRISTMAN, 403 East Main St., Massillon, Ohio, at $9890. Noted Jan. 14.

Building—Washington, D. C.—Bids will be received until 2 p.m., Apr. 9, by the District Commissioners for the construction of a residence at 14th and Upshur St. Oliver P. Neuman is one of the Comrs.

Building—Washington, D. C.—Bids will be received until 2 p.m., Apr. 15, by the District Commissioners for the construction of a 16-room school on Warder St.

Grading—Washington, D. C.—Bids will be received until 2 p.m., Apr. 13, by the District Commissioners for grading the west approach of the Q St. bridge, involving about 11,900 cu.yd. of excavation. Oliver P. Newman is one of the Comrs.

Traveling Crane—Washington, D. C.—The following are the bids received for furnishing a 15-ton four-motor electric traveling crane at the navy yard: Morgan Engineering Co., Alliance, Ohio, $5485; Whiting Foundry & Equipment Co., Harvey, Ill., $4870; Manning, Maxwell & Moore, 119 West 40th St., New York, $4149; Pawling & Harnischfeger, Milwaukee, Wis., $4885; Cleveland Crane & Engineering Co., Wickliff, Ohio, $4685; Niles-Bement-Pond Co., 111 Broadway, New York, $4675. Noted Mar. 11.

†Heating Apparatus—Washington, D. C.—The contract for installing heating apparatus in the Western High School, Washington, D. C., has been awarded to the MONARCH HEATING & VENTILATING CO., New York, at $17,623.

★Coal—Norfolk, Va.—Bids will be received until noon, May 7, at the U. S. Engineer's office, Norfolk, for furnishing about 3000 tons of bituminous coal.

Building—Radio, Va.—Bids will be received until 11 a.m., Apr. 17, by H. R. Stanford, Chief, Bureau of Yards and Docks, Navy Dept., Washington, D. C., for the construction of a two-story brick office building, 36x50 ft.

†Dredging—Charleston, S. C.—The contract for dredging in the Ashley River, has been awarded to SIMMONS & MAYRANT CO., Charleston, S. C., at $6937. Noted Feb. 18 and Apr. 1.

Earthwork—New Orleans, La.—The following are the bids received for constructing about 309,000 cu.yd. of earthwork in the Lower Tensas and Atchafalaya districts: Gibson, Hamilton & Co., New Orleans, Lower Tensas Levee District, Hard Times Levee, Districts Nos. 1 and 2, involving about 208,000 cu.yd., 17.37c. per cu.yd.; Dameron-White Co., Ltd., New Orleans, Atchafalaya Levee District, Lecour Levee, Lot No. 2, 11.89c. per cu.yd. Noted Mar. 18.

★Steel Lock Gates—Cincinnati, Ohio—Bids will be received until 2 p.m., Apr. 27, 1915 by Lieut. Col. H. Jervey, U. S. Engineers office, for furnishing and erecting steel lock gates for Dam No. 29, Ohio River.

★Dredging—Indiana Harbor, Ind.—The following are the bids received for dredging in Indiana Harbor, which involves about 40,000 cu.yd: Greiling Bros. Co., Green Bay, Wis., $5800; Fitz Simons & Connell Dredge & Dock Co., Chicago, Ill., $7200; Great Lakes Dredge & Dock Co., Chicago, Ill., $7200; Byrne Bros. Dredging & Engineering Co., Chicago, Ill., $8533. Noted Mar. 4.

Remodeling Post Office—New Albany, Ind.—Bids will be received until 3 p.m., May 8, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for extending and remodeling the post office at New Albany.

Fuel Oil—National Military Home, Kan.—Bids will be received by W. W. Martin, Treas., Western Branch N. H. D. V. S. until 2 p.m., Apr. 15, for furnishing and delivering 1,800,000 gallons of fuel oil.

Brick Mess Hall—Pierre, S. D.—The following bids were received for constructing a brick mess hall at the Pierre Indian School, Pierre: Frank Jahen Construction Co., Huron, S. D., $19,140; Grey Construction Co., Watertown, S. D., $20,900; John Lof & Co., Omaha, Neb., $23,466; W. D. Lovell, Minneapolis, Minn., $16,900; J. H. Stevens, Chamberlain, S. D., $16,597; Horton & Smith, Montezuma, Iowa, $21,143; N. H. Sheppard, Pierre, S. D., $17,625. Noted Mar. 11.

†Post Office—Miles City, Mont.—The contract for the construction of a post office at Miles City has been awarded to the HIRAM LLOYD BUILDING & CONSTRUCTION CO., Odd Fellows' Bldg., St. Louis, Mo., at $86,817. Noted Jan. 7 and Mar. 18.

Water System—Rosebud, Mont.—Bids will be received until 11 a.m., May 1, by J. B. Houston, Depot Quartermaster, for the installation of a water system at the Custer Battlefield National Cemetery.

†River Bank Protection—St. Louis, Mo.—The contract for 10,000 lin.ft. of river-bank protection has been awarded to RUST & SWIFT, St. Louis, Mo., at $124,112. Noted Feb. 11.

Post Office—Bryan, Tex.—Bids will be received until 3 p.m., May 12, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for the construction of a one-story and basement stone and brick post office.

Guardhouse and Bakery—Fort Bliss, Tex.—Bids will be received until 11 a.m., Apr. 30, by Maj. William Elliott, Depot Quartermaster, El Paso, for the construction of a guardhouse and bakery at Fort Bliss.

†Canal Excavation—Grand Junction, Colo.—Contracts for about 640,000 cu.yd. of canal excavation have been awarded to MANDENHALL, STRAW & BIRD CO., Springville, Utah, for Schedules 2, 3, 5, 6 and 7 at a total of $59,921 and the REYNOLDS-ELY CONSTRUCTION CO., Springville, Utah, for schedules 1 and 4 at $38,675. Noted Feb. 11 and Mar. 25.

Post Office—Park City, Utah—Bids will be received until 3 p.m., May 13, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for the construction of a one-story brick post office at Park City.

Derrick Hoist—Bremerton, Wash.—Bids will be received until Apr. 20 by the Bureau of Supplies and Accounts, Navy Dept., Washington, D. C., for furnishing an electric driven derrick hoist at the Puget Sound Navy Yard.

Buildings—Bremerton, Wash.—Plans are being prepared by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for the construction of a storehouse for torpedoes at the Puget Sound Navy Yard.

Buildings—San Diego, Calif.—Plans are being prepared by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for the construction of radio buildings at the Naval Station, San Diego.

Buildings—Guantanamo, Cuba—Plans are being prepared by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for the construction of barracks, quarters and recreation buildings at the Naval Station, Guantanamo. The estimated cost is $40,000.

Foundations—Cavite, P. I.—The bid received for the excavation of foundations for the wireless towers at the Naval Station, Cavite, has been rejected. The work will be done by the Station. Noted Jan. 28 and Mar. 18.

Miscellaneous Supplies—Panama—Bids will be received until 10:30 a.m., Apr. 26, by Maj. F. C. Boggs, Gen. Pur. officer of the Panama Canal, Washington, D. C., for furnishing six regulating valves, machines, motors and starting panels and limit switches for locks.

MISCELLANEOUS

Dredging—Boston, Mass.—Bids will be received until Apr. 15 by the State Harbor and Land Commissioners for dredging about 26,000 cu.yd. in Deacon's Pond Harbor, Falmouth. William I. Williams is Ch. Engr.

Motor Fire Apparatus—Chicopee, Mass.—The city contemplates the purchase of motor apparatus for the fire department at a cost of $14,000.

Natatorium—Holyoke, Mass.—Bids will be received until Apr. 15 by William B. Reid, Arch., for the construction of a swimming pool, 20x60-ft. for the city of Holyoke.

Fire Station and Alarm System—New Bedford, Mass.—The city plans to build a central fire station and an underground alarm system. The total cost will be about $150,000.

Fire Station—Salem, Mass.—The city plans to construct a fire station at an estimated cost of $40,000. George F. Ashton is City Engr.

Dock—Sandwich, Mass.—Press reports state that the city plans the construction of a municipal dock and landing to cost about $10,000.

★**Paving**—Greenwood, Conn.—Bids will be received until 3 p.m. Apr. 17, by the Highway Commissioners of the Town of Greenwich for 26,500 sq.yd. concrete paving on Field Point Rd., Prospect St., Horseneck Lane and Lake Ave. and until 3 p.m. Apr. 20, for 23,500 sq.yd. on Riverside Ave. and Sound Beach Ave.

✚**Dredging**—Hartford, Conn.—The contract for dredging in the Connecticut River below Hartford has been awarded to the HARTFORD & NEW YORK TRANSPORTATION CO., Hartford, at $13,000.

★**Interior Decoration**—Albany, N. Y.—(Official)—Bids will be received until noon, Apr. 19, by the Clerk of the Board of Supervisors, City Hall, Albany, for furnishing and installing the finish of the special rooms of the new court house for Albany County. For details see advertisement under "Contracts to Be Let."

★**Steel Furniture**—Albany, N. Y.—(Official)—Bids will be received until noon, Apr. 19, by the Clerk of the Board of Supervisors, City Hall, Albany, for furnishing and installing steel furniture at the new court house for Albany County. For details see advertisement under "Contracts to Be Let."

Dock Wall—Buffalo, N. Y.—Bids will be received until Apr. 14 by Francis G. Ward, Comr. Pub. Wks., for the construction of a 600-ft. timber crib or concrete dock wall along Bird Island and Pier, Black Rock Canal. The estimated cost is $40,000. George H. Norton is Deputy Engr.

Retaining Wall—Buffalo, N. Y.—The City Council has approved the bond issue of $270,000 for the construction of a retaining wall along the waterfront from Jersey to Georgia St. Noted Apr. 1.

Track Equipment—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until 2 p.m., Apr. 15, by the Commissioner of Bridges for the equipment of the westerly tracks of the upper deck of the Manhattan Bridge. Security required, $40,000.

★**Animal House**—New York, N. Y.—(Borough of Richmond)—(Official)—The lowest bid received by the State Health Department for the construction of an animal house at Rosebank, was that of Philip Wolf & Son, Stapleton. Noted Feb. 18.

Dredging—Rochester, N. Y.—Press reports state that bids will be received soon for deepening the river channel between Central Ave. dam and a point south of the aqueduct. Estimated cost about $284,000. F. T. Ellwood is City Engr.

Dredging—Atlantic City, N. J.—Press reports state that bids will be received by the City Commissioners for dredging Clam Creek to the steamship terminal. An expenditure of $5000 will also be authorized for the construction of landings for visiting yachts and vessels.

Pier Work—Atlantic City, N. J.—Local press reports state that the Steel Pier Co. will spend $53,000 in repairing damages caused by the storm of December. The greater part of the work will be pile driving.

✚**Grandstand**—Harrison, N. J.—The contract for the construction of grandstands, bleachers and fences for the Federal League Ball Club has been awarded to W. P. ELLISON, INC., 29 W. 34th St., New York. The estimated cost is $85,000. C. B. Comstock, New York, is Arch.

✚**Motor Fire Apparatus**—Jersey City, N. J.—The Board of City Commissioners has awarded the contract for furnishing the fire department with three motor-driven aërial fire trucks, motor-driven fuel wagons and seven horse-drawn fire engines to the AMERICAN La FRANCE CO., at $79,995. Noted Mar. 4 and 25.

✚**Bulkhead**—Red Bank, N. J.—The Board of Freeholders has awarded the contract for the construction of a bulkhead along the county road at Galilee to OWEN J. MELEE, Long Branch, at $18,132.

★**Paving**—Trenton, N. J.—Bids will be received until 2:30 p.m. Apr. 20, by the Board of Chosen Freeholders of Mercer County at Trenton, N. J. for improving about three miles of road Section 2, River Road. John J. Power is Dir.

★**Paving**—Trenton N. J.—Bids will be received until 2:30 p.m., Apr. 20 by the Board of Chosen Freeholders of Mercer County at Trenton N. J. for the laying of a bituminous macadam highway known as the Trenton-Allentown Turnpike. John J. Power, a dir.

★**Paving**—Trenton N. J.—Bids will be received until 2:30 p.m. Apr. 20, by the Board of Chosen Freeholders of Mercer County, at Trenton N. J. for about three miles of road impovement known as Section 1, River Road. John J. Power is Dir.

Drainage—Wilmington, N. C.—The Commissioners of New Hanover Drainage District No. 1 will issue $2[illegible],000 in bonds for drainage in that district and at Winter Park.

★**Levee Work**—Augusta, Ga.—Bids will be received until 4 p.m., Apr. 27th, by the City Council, 747 Broad St., for the construction of an earth levee along the Savannah River below the city of Augusta. For details see advertisement under "Contracts to Be Let."

Drainage—Donaldsonville, La.—The Bayou Conway Drainage District has decided to advertise for bids for excavation work, about 100,00 cu.yd. B. J. Vega is Secy. of the Bd.

Drainage—Union City, Tenn.—Bids will be received until Apr. 12 by the Obion River Drainage District for the construction of 1,564,000 cu.yd. of levee work and 637,000 cu.yd. of ditch work, all floating dredge work. J. A. Coble is Secy.

Elimination of Grade Crossing—Bratenahl, Ohio—(Cleveland post office)—Bids will be received by C. A. Neff, Clk., 219 East 105th St., Bratenahl, for the purchase of $38,918 in bonds, the proceeds to be used for the elimination of the grade crossing at East 105th St.

Gymnasium—Cincinnati, Ohio—Bids will be received by Joseph G. Steinkamp & Bro., Arch., 1212 Mercantile Library Bldg., for the construction of a two-story, 75x128-ft. gymnasium for St. Xavier's College, Sycamore and Seventh St.

Bathhouse—Cincinnati, Ohio—Plans are nearing completion for the construction of a two-story, 35x85-ft. bathhouse for the city. Philip Fosdick is Dir. Pub. Service. Louis G. Ditoe, 617 Provident Bank Bldg., is Arch.

River Improvement—Tiffin, Ohio—Bids will be received until Apr. 20 by William Heller, Dir. Pub. Service for river improvements including 56,900 cu.yd. earth excavation, 1000 cu.yd. rock excavation, 4100 cu.yd. plain concrete or $125 cu.yd. reinforced-concrete work.

✚**Channel Work**—Xenia, Ohio—The County Commissioners have awarded the contract for the deepening Beaver Creek Channel, about 144,183 cu.yd. floating dredge work, to the JONES CONSTRUCTION CO., Mt. Vernon, Ohio, at $13,091.

Drain—Princeton, Ind.—Bids will be received until Apr. 14 by George Miller, Construction Comr., for the construction of a drain.

Dredging—Washington, Ind.—Press reports state that Daviess County will dredge Prairie Creek for about 20 miles. The estimated cost is $90,000.

Motor Fire Apparatus—Champaign, Ill.—The City Council contemplates an expenditure of about $18,000 for motor fire apparatus.

Recreation Building—Chicago, Ill.—Bids will be received until 11 a.m., Apr. 12, by E. C. Shankland, Chn. Harbor and Subway, for the construction of a recreation building and shelter on pier No. 2. It will be two stories high with brick terra-cotta walls, concrete slab floor. Estimated cost $150,000.

✚**Ditches**—Grand Rapids, Wis.—The Wood County Drainage District Commission has awarded the contract for the construction of 18 miles of ditches in the townships of Seneca, Port Edwards and Cranmoor to GILMORE BROS., Grand Rapids, at 6.94c. per cu.yd. B. G. Chandos is Chn. of Comn.

Drainage—Indianola, Iowa—Bids will be received about May 1 by the County Auditor for the construction of two ditches in Warren County, about 11 miles.

✚**Ditch**—Fairfax, Minn.—The contract for the construction of tile ditch No. 57 has been awarded to KIRCHER BROS., St. Paul, at $13,990.

Ditch—Foley, Minn.—Bids will be received by the County Auditor until Apr. 22 for the construction of ditch No. 13.

✚**Ditch**—Mankato, Minn.—The contract for the construction of County Ditch 26 has been awarded to the NORTH STAR CONCRETE CO., Manketo, at $23,100.

✚**Ditch**—Slayton, Minn.—The contract for the construction of Judicial Ditch No. 3 has been awarded to the WIDELL CONSTRUCTION CO., Mankato, at $76,995. Noted Mar. 11.

✚**Ditch**—Wheaton, Minn.—Contracts for 40 miles of ditch work have been awarded to D. E. MORGAN, St. Cloud, for 26 miles, about 167,000 cu.yd., and to C. W. ROAD CONSTRUCTION CO., Grand Rapids, Wis., about 76,000 cu.yd. The estimated costs are $21,600 and $10,900 respectively.

Drainage District—Pine Bluff, Ark.—A petition has been filed in the Circuit Court asking for the formation of the Tenth Drainage District in Jefferson County. It is proposed to strengthen and deepen Five Forks Cañon.

Drainage—Brigham City, Utah—Preparations are being made for the establishment of the Corinne Drainage District in Box Elder County. The proposed district embraces about 10,000 acres. It will require five main drains. W. M. Bostaph, Ogden, is Engr.

Ditches—North Yakima, Wash.—The County Commissioners will call for bids in the near future for the construction of drainage ditches estimated to cost $38,000. They will be in Drainage District No. 25 in the Liberty district between Sunnyside and Granger.

✚**Dredging**—Bandon, Ore.—The contract for dredging the Coquille River from Bandon to Coquille has been awarded to the PUGET SOUND BRIDGE & DREDGING CO., Seattle, at 18c. per cu.yd. for 100,000 cu.yd. a month, and at 12c. per cu.yd. for 200,000 cu.yd. a month. Noted Feb. 18.

✚**Timber Dock**—Portland, Ore.—The Port of Portland Commission has awarded a contract for the construction of a timber dock to the BRAYTON ENGINEERING CO. at $17,575.

Oil Station—Sacramento, Calif.—The Shell Oil Co. has taken out a permit for the erection of an oil distributing station on the upper Stockton Road. Estimated cost, $15,000.

Crane Trestle—San Francisco, Calif.—The Union Iron Works has taken out a permit for the construction of a trestle for a ship crane at its works at Michigan and 20th St. Estimated cost, $60,000.

Dock—Ft. Frances, Ont.—The Department of Public Works, Ottawa, contemplates the construction of a dock at the

foot of Cornwall Ave. The estimated cost is $10,000. R. C. Desrochers, Ottawa, is Clk.

Dredging—Toronto, Ont.—The Council has voted favorably on the proposition to dredge and clean out Catfish Pond. The estimated cost is $48,000.

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works;" "Federal Government Work" and "Miscellaneous."

Claremont, N. H.—(Official)—Bids will be received about May 4 by Thomas W. Fry, Secy. of Bldg. Com. for the construction of the two-story Stevens High School. Estimated cost, $55,000. Brainerd & Leeds, 89 Franklin St., Boston, Mass. is Arch. Noted Apr. 1.

Boston, Mass.—E. L. Snider plans to construct a seven-story mercantile building at 23 Albany St. The estimated cost is $75,000. F. A. Norcross is Arch.

Boston, Mass.—Bids will be received about Apr. 17 by John A. Keliher for the construction of the Craig Theater at Boylston and Ipswich St. Noted Apr. 1.

Maynard, Mass.—Bids will be received until Apr. 19 for the construction of a high school. Estimated cost, $60,000. Charles R. Greco, 8 Beacon St., Boston, is Arch. Noted Mar. 11.

✚Worcester, Mass.—GEORGE A. FULLER CONSTRUCTION CO., 111 Broadway, New York, N. Y., has been awarded the contract for the construction of a building at 446 Main St. for the Merchants National Bank. Noted Feb. 4 and Mar. 25.

Worcester, Mass.—The City Council voted to construct a six-room addition to School No. 1 on Cambridge St. Estimated cost, $55,000. Noted Mar. 11.

✚Middletown, Conn.—C. O. STONE & CO., INC., has been awarded the contract for the construction of a five-story building for the Central National Bank, 273 Main St. Estimated cost, $50,000.

Beacon, N. Y.—(Official)—Homer H. Stuart, Pres. of Bd. of Education, informs us that contracts will be awarded about Apr. 20 for the construction of a two-story high school. Noted Jan. 14, Feb. 18 and Mar. 18.

Buffalo, N. Y.—Louis P. Fuhrmann, Mayor, has approved the issuing of $420,000 in bonds, for the construction of schools and $118,000 for remodeling the Broadway Market.

Buffalo, N. Y.—A bond issue of $80,000 has been authorized for the construction of police stations No. 2 and 8. Louis P. Fuhrmann is Mayor. Noted Jan. 21.

New York, N. Y.—(Borough of Bronx)—Plans are being prepared by Louis Allen Abramson, Arch., 220 Fifth Ave., for the construction of a group of buildings on 167th St. between Teller and Finley Ave. for the Daughters of Jacob. Mrs. A. D. Dworsky is Pres.

New York, N. Y.—(Borough of Bronx)—Louis Allen Abramson, Arch., 220 Fifth Ave., has prepared plans for the construction of a four-story hospital at Charlotte St. and Crotona Parkway for the Bronx Hospital Association. Estimated cost, $300,000.

New York, N. Y.—(Borough of Brooklyn)—Plans have been prepared by Raymond F. Almirall, Arch., 185 Madison Ave., New York, for the construction of a church at Classon between Putnam Ave. and Madison St. for the Church of Nativity. Estimated cost, $200,000.

New York, N. Y.—(Borough of Brooklyn)—The Cathedral Club, Sixth Ave. and St. Marks Pl., is planning to construct a building. Estimated cost, $80,000. Clarence Campbell is member of Bldg Com.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until 10:30 a.m., Apr. 22, by the Board of Health, Department of Health, Center and Walker St., for the construction and alterations to the medical staff house and nurses' home at the Willard Parker Hospital, foot of East 16th St. S. S. Goldwater is Pres. of Bd. of Health.

New York, N. Y.—(Borough of Manhattan)—Plans have been prepared by H. C. Leverance and William Van Alen, Archs., for the construction of a 16-story office and store building at Broadway and 24th St. for the Albermarle Realty Co. Estimated cost, $1,300,000. Harry E. Miller is Pres.

New York, N. Y.—(Borough of Manhattan)—Preliminary bids have been received by Jackson, Rosencrans & Waterbury, Arch., 1328 Broadway, for the construction of a 13-story, 66x98-ft. hotel at 30th St. near Eighth Ave. for the Hotel Irwin for Women, Inc., 1 West 39th St. Estimated cost, $185,000.

New York, N. Y.—(Borough of Queens)—The Board of Education plans to construct a two-story school at Prospect St. and Poplar Ave., Douglaston. Estimated cost, $70,000.

New York, N. Y.—(Borough of Richmond)—Bids are being received by Lewis E. Jallade, Arch., 37 Liberty St., New York, for the construction of a one-story recreation building at Sailors Snug Harbor, S. I. (New Brighton post office) for the Sailors Snug Harbor Corporation, 61 Broadway, New York. Estimated cost, $40,000.

Poughkeepsie, N. Y.—The citizens will soon vote on the issuing of $170,000 in bonds for the construction of a city hall.

✚Rochester, N. Y.—(Official)—The contract for the construction of an addition to the Whitney School No. 17 has been awarded to W. F. MARTENS & CO., at $53,877. J. Sankey Mullan, Municipal Bldg., is Secy. of Bd. of Education. Noted Mar. 18.

✚Utica, N. Y.—The contract for the construction of a technical high school at the Utica Free Academy has been awarded to PIUS KERNER & SONS, at $292,600.

Watervliet, N. Y.—The lowest bid received for the construction of the three-story City Hall at 15th St. and Broadway was submitted by the J. F. Growe Construction Co., Albany, at $57,975. Noted Feb. 11 and Mar. 11.

✚Yorktown Heights, N. Y.—The contract for the construction of seven cottages at the New York State Training School for Boys, 2 West 45th St., New York, has been awarded to the CENTRAL BUILDING CO., 58 Front St., Worcester, Mass., at about $110,000. Louis F. Pilcher, State Arch., Capitol, Albany, prepared the plans. Noted Nov. 12 and Jan. 7.

Bayonne, N. J.—The Board of Education plans to construct a school at West 48th St. and the Boulevard.

Camden, N. J.—Bonds to the amount of $412,000 have been authorized by the City Council. The amount will be used for the construction of a high school. Noted Dec. 17 and Mar. 18.

Jersey City, N. J.—Edward Erickson, Oak St., plans to construct a motion picture theater on Jackson Ave. It will have a seating capacity of about 1500.

Morris Plains, N. J.—Bids will be received until 11 a.m., Apr. 14, by the Board of Managers of the New Jersey State Hospital for the construction of an addition to its Industrial Building.

✚West New York, N. J.—(Weehawken post office)—The contract for the construction of a parochial school for St. Mary's German Church has been awarded to the VROMAN CONSTRUCTION CO. Noted Feb. 25.

Allentown, Penn.—The Y. M. C. A. plans to construct a $120,000 building at Allentown. Frank M. Trexler is Chn. and H. W. Elvidge is Secy. of Bd. of Trustees.

Easton, Penn.—E. M. Green, M. D., and H. J. Steele, Congressman, are interested in a plan to raise $150,000. The amount will be used for the construction of a hospital.

Hanover, Penn.—The School Board plans to construct a high school to cost about $85,000.

Lehighton, Penn.—The citizens will soon vote upon the issuing of $100,000 in bonds for the construction of a school.

McKeesport, Penn.—(Official)—Bids will be received until 3 p.m., Apr. 22, by W. T. Norton, Secy. of Bd. of School Dir., for the construction of a two-story, high school. Noted Mar. 11.

Philadelphia, Penn.—A. A. Ritchie, Arch. is preparing plans for the construction of a building at Broad and Ruscomb St. for the Muhlenberg Lutheran Church. Estimated cost, $60,000.

Pittsburgh, Penn.—Plans have been prepared by F. J. Osterling, Arch., 316 Fourth Ave., for the construction of a ten-story arcade building at Fifth Ave., Grant St., Oliver Ave. and William Penn Pl. for Henry Clay Frick. Estimated cost, $1,500,000 to $2,000,000. Noted Mar. 4.

✚Rochester, Penn.—(Official)—McDONALD & HARTMAN, at $63,650 has been awarded the general contract for the construction of the Rochester High School. George H. Karcher is Secy. of School District of Rochester. Noted Mar. 11.

✚Warren, Penn.—GEORGE A. FULLER CO., 111 Broadway, New York, N. Y., has been awarded the contract for the construction of a two-story library. Estimated cost, $150,000. Noted Feb. 11 and Apr. 1.

Baltimore, Md.—Bids will soon be received by Wyatt & Nolting, Arch., 1012 Keyser Bldg., for the construction of the physical laboratory at Homewood for the Johns Hopkins University. The estimated cost is $200,000.

Baltimore, Md.—Plans have been prepared by Carrere & Hastings, Arch., 225 Fifth Ave., New York, N. Y., for the construction of the chemical laboratory at Homewood for the Johns Hopkins University. Estimated cost, $200,000.

Baltimore, Md.—Plans are being prepared by Watson & Huckle, Arch., for the construction of a church at Ostend and Charles St. for the Chapel of Advent. Estimated cost, $45,000.

Charlottesville, Va.—Plans have been prepared by Walter D. Blair, Arch., 281 Fifth Ave., New York, N. Y., for the construction of a three-story, 50x140-ft. hospital for the University of Virginia. Estimated cost, $50,000.

✚Lynchburg, Va.—The contract for the construction of a building at Ninth and Main St. for the Lynchburg National Bank has been awarded to E. W. MINTER & CO., 115 Broadway, New York, N. Y. Estimated cost, $110,000. Noted Jan. 21.

✚Fairmont, W. Va.—ROSE & BEAMAN, Goldsboro, N. C., at $115,749 has been awarded the contract for the construction of a two-story, 85x250-ft. school. Paul A. Davis, 1713 Sansom St., Philadelphia, Penn., is Arch. Noted Feb. 25.

Charleston, S. C.—Bids will be received about Apr. 15 by William Albert Swasey, Arch., 47 West 34th St., New York, N. Y., for the construction of a 12-story, 136x132-ft. hotel and theater building at Meeting and Hazel St. for the Argyle Hotel Co., 189 East Bay St. Estimated cost, $600,000. Noted Oct. 29.

Rome, Ga.—Bonds to the amount of $100,000 have been sold. The proceeds will be used for the construction of a municipal building and a hospital. Noted Mar. 11.

Memphis, Tenn.—(Official)—W. C. Duttlinger Chn. of Bldg. Com., advises us that nothing can be reported at this time regarding the construction of a $400,000 auditorium. Noted Mar. 25.

Nashville, Tenn.—Bids will be received until Apr. 13 by Samuel Hannaford & Sons, Arch., Hulbert Blk., Cincinnati, Ohio, for the construction of the laboratory building for the Vanderbilt University. Estimated cost, $350,000. Noted Dec. 17 and 31, and Mar. 25.

✚Cincinnati, Ohio—The general contract for the construction of a Y. M. C. A. building has been awarded to the FERRO CONCRETE CONSTRUCTION CO., at $60,313. Noted Nov. 19.

Columbus, Ohio—The Legislature is considering the question of appropriating $100,000 for the construction of an institution for deformed and crippled children.

Dayton, Ohio—Bids will be received until noon, Apr. 14, by the County Commissioners of Montgomery County, Dayton, for the construction of a dormitory for men at the County Infirmary. Schenck & Williams, 591 Arcade Bldg., is Arch. Walter H. Aszling is Clk.

✚Fostoria, Ohio—L. E. WOOD, Lima, at $138,444 was awarded the contract for the construction of the Central School and an addition to the North Union St. School. Noted Mar. 18.

Galion, Ohio—The B. P. O. E. plans to construct a building at the public square. Estimated cost, $50,000.

Lakewood, Ohio—Bids will be received until noon Apr. 15 by P. T. Harrold, Clk. of Bd. of Education, High School Bldg., Warren Rd., for the construction of additions to the Madison School at Madison opposite Wagar Ave. Charles W. Hopkinson, 900 Rose Bldg., Cleveland, is Arch.

Milford Center, Ohio—Plans are being prepared by Frank L. Packard, Arch., Columbus, for the construction of a school. Estimated cost, $60,000.

Northfield, Ohio—Bids will be received until noon, Apr. 12, by G. L. Williams, Clk. of Bd. of Education for the construction of a school. Ashby & Shultz, Chicago, Ill., is Arch.

Toledo, Ohio—Bids will be received until noon, Apr. 19, by the Clerk of the Board of Education for the construction of Nebraska School on Nebraska Ave. George L. McKesson is Dir. of Schools.

+Toledo, Ohio—The contract for the construction of a six-story building on Summit St. for Neuhausel Bros. has been awarded to FRANK R. STAHL, at about, $300,000.

+Wickliffe, Ohio—The contract for the construction of a school has been awarded to the W. DUNBAR CO., 8209 Cedar Ave., Cleveland, at $50,000. Noted Mar. 25.

+Willoughby, Ohio—(Official)—The contract for the construction of a high school has been awarded to JAMES H. WELLS, Scranton Rd. and Valentine Ave., Cleveland, at $63,622. Other bids were received as follows: Craft & Agnew, $65,875; R. D. Grant, $68,568; John Kieser, $70,022; Cleveland Fireproofing Co., $71,000; Glick Weitel Co., $71,979; Stiemple Construction Co., $72,879; Roe & Giles Lumber Co., $74,000; National Fireproofing Co., $74,400; Heller Bros., $76,400; J. B. Kohn, $79,000. Noted Oct. 8, Jan. 21, Feb. 4 and Mar. 18.

Evansville, Ind.—(Official)—Architects will soon submit competitive designs and plans for the proposed construction of a $100,000 coliseum. Charles P. Beard is Secy. of Bd. of Coliseum Directors. Noted Mar. 25.

Detroit, Mich.—Plans have been prepared by Louis Kamper, Arch., 701 Fine Arts Bldg., for the construction of the Detroit Tuberculosis Hospital at Pingree and Schmittdiel Ave. Estimated cost $400,000.

Detroit, Mich.—Plans have been prepared by Mildner & Eisen, Arch., 926 Hammond Bldg., for the construction of a three-story commercial and theater building at Warren Ave. and Perrien Park for the Scenic Theater Co., of Detroit. Estimated cost, $350,000.

+Grand Rapids, Mich.—The contract for the construction of a one-story building for the First Methodist Episcopal Church has been awarded to JOHN McNABT & SONS, 203 Murray Bldg. Estimated cost, $170,000. Noted Nov. 12 and Dec. 31.

+Munising, Mich.—VICTOR CARLSON, Quinn, at $40,500 was awarded the contract for the construction of a two-story school. Charlton & Kuenzli, Camp Bldg., Milwaukee, Wis., is Arch. Noted Oct. 1 and 15, and Mar. 11.

Bloomington, Ill.—The citizens are planning the construction of a convention hall at Washington between Madison St. and Roosevelt Ave. Estimated cost, $100,000.

Chicago, Ill.—About $600,000 has been appropriated by the Buildings and Grounds Committee of the Board of Education for the construction of additions to the following elementary schools. Willard School, St. Lawrence Ave. and 49th St., assembly hall, gymnasium and nine classrooms, $160,000; McPherson School, Lincoln St. and Lawrence Ave., assembly hall and 12 classrooms, $180,000; Komensky School, Throop and 20th St., assembly hall and gymnasium, $90,000; Beaubien School, Laramie and Winnemac Ave., gymnasium and 12 classrooms, $100,000.

Chicago, Ill.—According to press reports the Chicago Board of Trade plans to construct an eight-story building at La Salle St. and Jackson Blvd. Estimated cost, $2,000,000.

Chicago, Ill.—Plans are being prepared by Erie Hall, County Arch. for the construction of a county jail. The estimated cost is $2,000,000.

Evanston, Ill.—Plans are being considered by W. T. McElveen, Pres. of Bd. of Education, for the construction of a high school. The estimated cost is $1,000,000.

Moline, Ill.—Company F. Illinois State Militia of Moline plans to construct an armory. Estimated cost, $60,000. F. A. Landee is interested.

+Milwaukee, Wis.—The contract for the construction of an addition on Second St. near Grane Ave. for Charles Toy has been awarded to B. A. GREENLEAF. Estimated cost, $40,000.

Milwaukee, Wis.—Bids are being received for the construction of a building at Bradford and Prospect Ave. for the St. John's Home for Aged Ladies. Mrs. A. J. Horlick is Pres. Estimated cost, $60,000. Noted Jan. 14.

Milwaukee, Wis.—Bids will soon be received for the construction of a three-story motion picture theater and office building on Second St. near Grand Ave. for the Badger Investment Co. Estimated cost, $90,000. Brust & Phillip, 503 Free Press Bldg., is Arch. Noted Nov. 12.

Watertown, Wis.—The Board of Education is having plans prepared by Barkinson & Dockendorff, Arch., La Crosse, for the construction of a high school. Estimated cost is $100,000.

Missouri Valley, Iowa—(Official)—All bids received Mar. 30 were rejected, new bids will be received until Apr. 12 by J. S. Dewell, Secy. of Bd. of Education, for the construction of a high school. Noted Feb. 11, Mar. 18 and 25.

+Minneapolis, Minn.—The contract for the construction of a two-story school at 1501 University Ave. for the International Christian Unity Bible College has been awarded to C. G.ERICSON. Estimated cost, $75,000.

St. Paul, Minn.—The Sperry Realty Co., Pittsburgh Bldg., plans to construct three buildings at Selby Ave. and Dale St. Estimated cost, $165,000. J. F. Sperry is Pres.

St. Paul, Minn.—Plans have been prepared by J. Hausler, City Arch. for the construction of a one-story, 132x160-ft. model school at Jefferson and Hamline Ave. The estimated cost is $45,000.

Independence, Kan.—The Prairie Oil & Gas Co. plans to construct an office building. Estimated cost, $200,000.

Iola, Kan.—The citizens are considering the question of issuing $80,000 in bonds for the construction of a high school.

Salina, Kan.—Bonds for $100,000 have been voted by the citizens. The proceeds will be used for the construction of a school.

Omaha, Neb.—Plans are being prepared for rebuilding the Board of Trade Bldg. at 16th and Farnam St. The estimated cost is $500,000. E. M. Morsman, Jr., is interested.

+Butte, Mont.—The contract for the construction of a two-story, fireproof bank building at Main St. and Broadway for W. A. Clark & Bro. has been awarded to NELSON & PEDERSON. Estimated cost, $50,000. Noted Mar. 11.

Joplin, Mo.—The Scottish Rite Cathedral plans to construct a 125x150-ft. building at Fifth St. and Byers Ave. Estimated cost, $150,000. F. Taylor Snapp is Chn. of Bldg. Com.

Kansas City, Mo.—The Board of Education is considering plans for the construction of a three-story, 48x115-ft. addition to the public library. Estimated cost, $155,000.

+St. Joseph, Mo.—The general contract for the construction of the public city hospital has been awarded to the SELDEN-BRECK CONSTRUCTION CO., St. Louis, at $82,797. Other bidders were: King Lumber Co., Charlottesville, Va., $115,000; St. Joseph Construction Co., $90,335; P. P. Buddy Construction Co., $96,400; Wagenknecht-Walters Construction Co., $109,390; J. W. Lehr, $88,787; J. E. Gates, $94,882; Job Hollinger Construction Co., Kansas City, $96,678; W. D. Lewis Co., Kansas City, $84,998; E. A. Steininger Co., St. Louis, $94,743. Noted Dec. 10.

Dallas, Tex.—J. Ed. Overbeck, Arch., has prepared plans for the construction of an addition to the St. Paul Sanitarium for the Daughters of Charity of St. Vincent de Paul. Estimated cost, $250,000. Rev. Joseph P. Lynch, Bishop of Dallas Diocese, is interested.

El Paso, Tex.—W. H. Austin plans to construct a three-story apartment house at Virginia and Overland St. Estimated cost, $65,000. Gibson & Robertson is Arch.

San Angelo, Tex.—Bonds for $80,000 have been voted for the construction of a high school. Noted Mar. 11.

Sherman, Tex.—Work will be started about Apr. 15 on the construction of an administration building for the Carr-Burdette Carlton College. The estimated cost is $50,000.

Tyler, Tex.—The Commissioners Court plans to construct a $40,000 county jail.

Denver, Colo.—Preliminary plans are being prepared by Walter Rice, Bldg. Inspector, for the construction of a municipal building to be used as fire and police headquarters. Alexander Nisbet, Comr. of Safety, is interested.

Denver, Colo.—J. M. Perkins, Mayor, has petitioned the City Council to issue $500,000 in bonds. The proceeds will be used for the construction of a city and county hospital.

Pocatello, Idaho—Bonds for $125,000 have been voted by the citizens of Pocatello. The proceeds will be used for the construction of a high school. Noted Mar. 18.

FILTER HOUSE, SETTLING BASINS, ETC., BILLINGS, MONT.

+Bids were received Mar. 17 by the City Council for the construction of a filter house, settling basins, etc., for the water-works from: (A) Engineer's Estimate; (B) Frank Savaresy, Billings; (C) Haggart Construction Co., Fargo, N. D.; (D) Intermountain Construction Co., Tecumseh, Neb.; (E) Katz Construction Co., Omaha, Neb.; (F) HANLON-OKES, Sioux City, Iowa (awarded contract); (G) S. Birch & Sons, Fargo, N. D.; (H) Security Bridge Co., Billings; (I) William Danforth, St. Paul, Minn.; (J) E. Lindstrom, Billings. The item bids were as follows:

FILTER HOUSE, SETTLING BASINS, BILLINGS, MONT.

	A	B	C	D	E	F	G	H	I	J
10,000 cu.yd. earth excavation	$0.90	$0.75	$1.25	$0.50	$1.10	$0.80	$1.25	$0.75	$0.40	$1.10
2410 cu.yd. concrete, Class A	14.00	9.00	12.00	14.00	12.00	9.65	15.00	13.00	13.00	15.00
15 cu.yd. concrete, Class B	10.00	7.00	11.00	12.00	11.00	9.00	15.00	10.00	10.00	11.00
203,500 lb. reinforcing steel bars	0.04	0.03½	0.04	0.05	0.03½	0.03½	0.04	0.0335	0.03½	0.03½
20,350 lb. structural steel	0.04	0.07	0.04	0.06	0.04	0.03½	0.04	0.0355	0.05	0.07
700 ft. 4-in. Class B. c.i. pipe	0.70	0.70	0.80	0.75	0.66	1.10	1.00	1.80	0.75	0.75
40 ft. 16-in. Class A. c.i. pipe	3.00	3.50	3.25	3.00	2.75	7.85	3.25	7.15	4.00	3.18
785 ft. 24-in. Class A. c.i. pipe	5.25	5.50	5.00	5.50	4.75	6.20	5.40	7.55	6.00	5.27
300 ft. 6-in. drain tile	0.20	0.20	0.40	0.30	0.25	1.02	0.70	0.32	0.30	0.60
300 ft. 8-in. drain tile	0.30	0.20	0.50	0.50	0.30	1.07	0.75	0.42	0.40	0.65
450 ft. 10-in. drain tile	0.40	0.20	0.60	0.60	0.40	1.15	0.85	0.65	0.50	0.75
0 ft. 12-in. drain tile	0.00	0.20	2.00	0.75	0.60	1.30	0.95	0.75	0.70	1.50
35 ft. 14-in. drain tile	0.60	0.20	2.25	0.90	0.65	1.45	1.00	1.25	1.00	1.90
325 ft. 15-in. vitrified sewer pipe	1.50	2.00	3.00	2.50	1.45	2.00	2.60	1.41	2.00	2.30
45 ft. 20-in. vitrified sewer pipe	1.50	2.75	3.25	3.00	1.50	2.50	3.00	3.00	2.80	3.00
400 ft. 24-in. vitrified sewer pipe	2.50	3.15	4.00	3.50	2.25	3.00	3.50	4.50	5.50	3.60
Extended totals	$72,717	$65,897	$82,350	$83,500	$85,600	$71,790	$91,500	$82,150	$68,000	$80,600

Ogden, Utah—(Official)—John M. Mills, Supt. of Schools, informs us that the bond election for $200,000 failed to carry. The amount was to have been used for the construction of additions and improvements to schools in Ogden. Noted Mar. 25.

Salt Lake City, Utah—Plans have been prepared by F. D. Rutherford, Arch., for the construction of a 26-room school at 13th East and Seventh South St. for the Board of Education. It will be built in two units, the first having 13 rooms and costing about $82,000.

Bremerton, Wash.—Bids will soon be received by Max Umbrecht, Hotel Rector, Seattle, for the construction of a two-story reinforced-concrete motion-picture theater for the Osran Amusement Co. Estimated cost, $65,000.

Seattle, Wash.—Plans are being prepared by Warren H. Milner, Arch., for the construction of a $1,000,000 motion-picture theater near Times Sq. for James Q. Clemmer, owner of the Clemmer Theater.

Fresno, Calif.—Bids will be received until 2 p.m., Apr. 14, by D. M. Barnwell, of the Bd. of Supervisors, for the construction of a tubercular ward building and a physicians building. Glass & Butner, Republican Bldg., is Arch.

Los Angeles, Calif.—Plans have been prepared by Hunt & Burns, Arch., 701 Laughlin Bldg., for the construction of a two-story school on Virgil Ave. Estimated cost, $45,000.

Los Angeles, Calif.—Plans have been prepared by Elmore R. Jeffery, Arch., Wesley Roberts Bldg., for the construction of a group of high school buildings at Garvanza. The group will include a two-story, 100x200-ft. administration building, a two-story, 62x100-ft. science building and a boiler plant. Estimated cost, $150,000.

Los Angeles, Calif.—Plans are being prepared by John F. Blee, Arch., Union League Bldg., for the construction of a five-story, 112x132-ft. reinforced-concrete loft building at Third and Alameda St. for the Neptune Meter Co. Estimated cost, $135,000.

Norwalk, Calif.—Bids will soon be received by George B. McDougall, State Arch., Sacramento, for the construction of a group of buildings for the State Hospital for the Insane. An appropriation of $160,000 has been made by the Legislature. Noted Dec. 25, 1913, July 23 and Aug. 6, 1914.

Oakland, Calif.—The Commercial Club and Chamber of Commerce plan to construct a six- or seven-story building at 13th and Harrison St. Victor H. Metcalf is Pres.

Oak Park, Calif.—Harry Muddox, Sacramento, plans to construct a three-story, fireproof building. Estimated cost, $40,000.

San Francisco, Calif.—Contracts will soon be awarded for the construction of an eight-story office building at Sutter near Powell St. for the Pacific Gas & Electric Co. Estimated cost, $150,000. Edgar A. Mathews, 251 Sutter St., is Arch.

+San Francisco, Calif.—The contract for the construction of a pathological and garage building at the San Francisco Hospital has been awarded to C. L. WOLD, at $66,027. Noted Feb. 4 and Mar. 4.

San Francisco, Calif.—Bids will be received until 11 a.m., Apr. 14 by Lewis P. Hobart, Crocker Bldg., for the structural steel work for the University of California Hospital, at Fourth and Parnassus Ave.

Montreal, Que.—Plans are being prepared by William A. Swasey, Arch., 47 West 34th St., New York, N. Y., for the construction of a 16-story, 134x175-ft. hotel and theater building for the Philips Place Hotel Co., 723 Transportation Bldg., Montreal. Estimated cost, $1,000,000.

Vancouver, B. C.—Plans have been prepared by Somerville & Pulman, London Bldg., for the construction of a building for the Merchants Bank of Canada at Granville and Pender St. The estimated cost is $200,000.

R. H. Hyland & Co., dealer in railway supplies, announces the removal of its offices to 323 Wells St., Chicago, Ill.

The Charles T. Topping Co., Pittsburgh, Penn., dealer in contractors', mine and quarry equipment, announces the removal of its offices to Suite 928, Oliver Bldg. It will continue as direct representative in western Pennsylvania and northern West Virginia for Koehring concrete mixers, Clyde hoisting engines and derricks, Wylie concrete distributing system, the Cement-Gun, McKiernan-Terry pile hammers and rock drills, Negley slack-cable excavators, Buchanan rock and ore crushers, crushing rolls and magnetic separators, Patten electric builders' hoists, Easton industrial cars and railway systems, Converse portable sand screens, Hotchkiss steel forms, and other well known lines of machinery and equipment.

CATALOG NOTICES

The Bristol Co., Waterbury, Conn. Bulletin No. 192. Bristol's long-distance electric transmitting and recording system. Illustrated, 8 pp., 8x10½ in.

Oshkosh Mfg. Co., Oshkosh, Wis. Catalog. Concrete mixers, trench pumping outfits, portable saw rigs. Illustrated, 32 pp., 9x12 in.

Cheesman & Elliott, 100 William St., New York. Ninth Edition. "Review of Technical Paints." Illustrated, 52 pp., 6x9 in.

The Gregg Co., Ltd., Hackensack, N. J. Booklet D-101. Industrial railway equipment. Illustrated, 8 pp., 3½x6 in.

Electric Welding Co., Pittsburgh, Penn. Pamphlet. Efficiency spacing bar for concrete reinforcement. Illustrated, 8 pp., 6x9 in.

Bausch & Lomb Optical Co., Rochester, N. Y. Bulletin N-A. Engineering instruments. Illustrated, 20 pp., 6½x9½ in.

Cambria Steel Co., Morris Building, Philadelphia, Penn. Catalog. Slick steel mine ties for mine and industrial railroads. Illustrated, 42 pp., 6x9 in.

Chicago Pneumatic Tool Co., Chicago, Ill. Bulletin No. E-35. Universal electric drills. Illustrated, 8 pp., 6x9 in. Form No. 212. Boyer riveting hammer. Illustrated.

Contractors' Machinery & Supply Co., Wabash Building, Chicago, Ill. Quarterly List. New and rebuilt machinery and supplies. Illustrated, 16 pp. 4x8½ in.

Olsen Concrete Mixer Co., Elkhorn, Wis. Catalog. Olsen double drum batch mixer. Illustrated, 6x9 in.

Link-Belt Co., Philadelphia, Penn. Bulletin No. 207. Electric hoist. Illustrated, 4 pp., 6x9 in. Bulletin No. 212. Wendell centrifugal coal dryer. Illustrated, 4 pp., 6x9 in.

DeLaval Steam Turbine Co., Trenton, N. J. Pamphlet. "Steam Turbine Drives for Rolling Mills." Illustrated, 24 pp., 6x9 in.

The Blaisdell Machinery Co., Bradford, Penn. Catalog. Air compressors, vacuum cleaners. Illustrated, 6x9 in.

Combustion Engineering Corp., 11 Broadway, New York. Bulletin B-2. Type E stoker. Illustrated, 20 pp., 6x9 in.

Moon Mfg. Co., 108-28 N. Jefferson St., Chicago, Ill. Catalog No. 4. Lighting plants. Illustrated, 24 pp., 4x9 in.

John Gibson, Fromberg, Mont. Catalog. Sectional reinforced concrete culvert. Illustrated, 6x8 in.

Bituminized Road Co., Reliance Building, Kansas City, Mo. Pamphlet. National pavement. Illustrated, 8x9½ in.

Allis-Chalmers Mfg. Co., Milwaukee, Wis. Bulletin. Tractor truck. Illustrated, 10 pp., 9x12 in.

Lidgerwood Mfg. Co., 96 Liberty St., New York. Bulletin No. 32. "Cableways on Filtration Work." Illustrated, 8 pp., 9x12 in.

The Cement Tile Machinery Co., 124-32 Rath St., Waterloo, Iowa. Catalog. Concrete mixers. Illustrated, 24 pp., 7½x10½ inches.

Dobbie Foundry & Machine Co., Niagara Falls, N. Y., Catalog No. 18. Derricks. Illustrated, 128 pp., 6x9 inches.

Fyott Co., Morgan, Carroll and Sangamon St., Chicago, Ill. Catalog No. 15. Cast-iron pulleys, gears, fly wheels, etc. Illustrated, 144 pp., 6x9 inches.

The Holt Mfg. Co., Stockton, Calif. Bulletin. "The Littlest Caterpillar of All." Illustrated, 8 pp., 7x10 inches.

The Hess Flume Co., Denver, Colo. Hanna water meter. Illustrated, 8 pp., 6x9 inches.

Cement-Gun Co., Inc., 30 Church St., New York. Catalog. The Cement-Gun, Apparatus, Process and Product. Illustrated, 108 pp., 6x9 inches. Bulletin No. 40. "Protection of Steel With Gunite Without Reinforcing." Illustrated.

Whitman Agricultural Co., St. Louis, Mo. Catalog No. 71. "Sultan" contractor's equipment—gasoline engines, pumps, hoists, etc. Illustrated, 72 pp., 6x9 inches.

Whiting Foundry Equipment Co., Harvey, Ill. Bulletin. Reprint of rules for safely operating cranes as issued by the National Founders' Association.

Ogle Construction Co., 332 S. Michigan Ave., Chicago, Ill. Catalog. Coaling locomotives. Illustrated, 22 pp., 5x7 in.

WATER-WORKS IMPROVEMENTS AND EXTENSIONS, BILLINGS, MONT.

+Bids were received Mar. 17 by the City Council for general improvements and extensions to the water system of Butte from: (A) Engineer's Estimate; (B) Frank Savaresy, Billings; (C) Haggart Construction Co., Fargo, N. D.; (D) Katz Construction Co., Omaha, Neb.; (E) Intermountain Construction Co., Tecumseh, Neb.; (F) C. W. Schruth, Lewistown, Mont.; (G) GORDON-TAYLOR CONSTRUCTION CO., Denver, Colo. (awarded contract); (H) Billings Engineering & Construction Co., Billings; (I) Hanlon-Okes, Sioux City, Iowa; (J) McCabe-Archbald Co., Boulder, Colo.; (K) E. Lindstrom, Billings. The item bids were as follows:

WATER-WORKS IMPROVEMENTS, BILLINGS, MONT.

	A	B	C	D	E	F	G	H	I	J	K
3750 ft. 4-in. c.i. pipe	$0.75	$0.67	$0.77	$0.69	$0.68	$0.90	$0.58	$0.79	$0.73	$0.84	$0.78
12,210 ft. 6-in. c.i. pipe	1.00	0.90	1.02	0.90	0.88	1.10	0.83	1.08	0.93	1.08	1.10
5340 ft. 8-in. c.i. pipe	1.35	1.17	1.33	1.27	1.20	1.43	1.18	1.43	1.25	1.36	1.45
9440 ft. 10-in. c.i. pipe	1.75	1.49	1.73	1.62	1.58	1.79	1.41	1.95	1.60	1.68	1.85
760 ft. relaying 4-in. c.i. pipe	0.30	0.47	0.40	0.30	0.30	0.90	0.20	0.40	0.45	0.45	0.30
9170 ft. replacing 4-in. wood pipe	0.10	0.05	0.10	0.10	0.05	0.05	0.01	0.12	0.11	0.06	0.05
760 ft. replacing 6-in. wood pipe	0.10	0.05	0.10	0.10	0.05	0.05	0.02	0.14	0.11	0.06	0.05
2350 ft. replacing 8-in. Kalamein pipe	0.10	0.07	0.10	0.10	0.05	0.05	0.01	0.15	0.11	0.07	0.05
5 two-way hydrants	32.00	33.00	36.00	33.50	33.00	35.00	33.00	40.00	38.00	40.00	45.00
30 steamer hydrants	40.00	39.00	45.00	43.50	40.00	42.50	37.00	49.60	45.00	41.00	50.00
5 4-in. valves	13.00	12.00	17.50	15.00	14.00	13.00	14.00	17.50	11.50	15.98	18.00
18 6-in. valves	18.00	18.00	22.00	20.00	18.00	18.50	18.00	23.70	17.50	24.00	24.00
5 8-in. valves	25.00	25.00	30.00	27.00	25.00	25.00	25.00	32.00	25.00	29.82	33.00
10 10-in. valves	38.00	33.00	40.00	37.00	35.00	33.00	35.00	41.00	35.25	40.65	42.00
38 connections to old system	10.00	5.00	12.50	10.00		25.00	4.00	20.00	10.00	12.00	20.00
105 sq.yd. replacing bitulithic pavement	4.00	3.75	5.00	3.75	3.00	3.50	2.50	3.00	3.00	1.40	3.50
Extended totals	$43,261	$37,526	$43,708	$40,163	$38,009	$45,933	$34,710	$47,644	$40,520	$43,505	$46,104